

## pET30acer\_dFTN2 sequence:

```
ATATGAAAAAGATTTGGCTGGCGCTGGCTGGTTAGTTTTAGCGTTTAGCGCATCGGCGGACATCCAGATGACGCAATCTCCAAGCTCCCTG
AGCGCGAGCGTTGGCGATCGTGTACCATCACGTGTAAGCCAGCCAAAACGTTGGCACCATGTTGCGTGGTATCAGCAAAAGCCTGGTAA
GGCTCCGAAAAGCGCTGATTTACAGCGCCAGCTTCTGTATTCAGGTGTGCCGTATCGCTTCTCTGGTAGCGGTAGCGGCACGGACTTCACGC
TGACCATTAGCAGCCTGCAGCCGGAAGATTTTGCCACTTATTACTGCCAACATAAATATTTATCCGCTGACCTTTGGTCAGGGCAGCAAAA
GTTGAGATCAAGCGTACGGTTGCAGCGCCGAGCGTTTTTATCTTTCCGCTAGCGACGAACAGCTGAAGTCTGGTACGGCCAGCGTTGTCTG
CCTGCTGAATAACTTTTACCACGTGAGGCGAAAAGTCCAGTGGAAAGTTGATAATGCCCTGCAGAGCGGCAACTCTCAGGAAAAGCCTTACCG
AGCAAGACTCGAAAAGATAGCACCTACAGCCTGTCTCTACCTTGACCCTGAGCAAAAGCTGACTATGAGAAAACAAAAGTCTACGCGTGTGAA
GTCACTCATCAGGGCCTGTCTAGCCCTGTACCAAAAGCTTCAATCGTGGTGAGTGCTAGTAACAATTAAGATAGTTGATGGATAAACTTGT
TCACTTAAATCAAGAAGGAGAATGTACAATGAAAAAGATTTGGCTGGCGCTGGCTGGTTAGTTTTAGCGTTTAGCGCATCGGCGGAAGTCC
AACTGGTTGAGAGCGGTGGCGGCCTGGTCCAGCCGGGTGGCAGCTTGCCTGTCTGTGTCAGCGTCCGGCTACGCTTTTACGGACTACGGT
ATGAACTGGGTGCGCCAGGCGCCGGGTAAGGGTTTGGAGTGGATGGGTTGGATCAATACCTACATCGGTGAACCGATTTACCGGGATAGCGT
GAAGGGTCGTTTCACTTTTTCCCTGGACACCTCCAAAAGCACCGCATATCTGCAGATGAACAGCCTGCGCGCAGAGGATACCGCAGTGTATT
ACTGCGCGCTGGTTACCGTAGCTATGCTATGGACTACTGGGGCAAGGTACCTTAGTGACCGTCAGCAGCGCTTACCAAGGGTCCGTCC
GTTTTTCCGCTGGCGCCGAGCAGCAAGAGCACTAGCGGTGGCACTGCAGCGCTGGGTTGCCTGGTGAAAGACTATTTCCAGAACCAGGTTAC
CGTGAGCTGGAACAGCGCGCGCTGACGAGCGGTGTGCACACCTTCCCGCAGTGTGCAATCGAGCGGTTTGTATTCACTGAGCAGCGCTCG
TGACCGTGCCGTCAGCAGCCTGGGTACCCAAACGTACATTTGTAACGTGAATCACAAGCCGAGCAACACCAAAGTTGACAAAAAAGTTGAG
CCGAAGTCTGTGATAAATAGTAACCTCGAGGAATTCGAGCTCCGTCGACCTAGCATAACCCCGGGGCTCTTCCGGGGTCTCGCGGGGTT
TTTTGCTGAAAAGACTTCAAATAAAAAGAAAGGCTCAGTCGAAAGACTGGGCTTTTCGTTTTATCTGTTGTTGTCGCTGCGGCCGCACTC
GAGCACCACCACCACCCTGAGATCCGGCTGCTAACAAAAGCCGAAAGGAAGCTGAGTTGGCTGCTGCCACCCTGAGCAATAAATAGC
ATAACCCCTTGGGGCTCTAACGGGTCTTGAGGGGTTTTTGTGAAAGGAGAACTATATCCGATTTGGCAATGGGACGCGCCCTGTAG
CGGCGCATTAAGCGCGGAAATACAGGAACGCACGCTGGATGGCCCTTCGCTGGGATGGTGAACCATGAAAAATGGCAGCTTCACTGGATT
AAGTGGGGTAATGTGGCCTGTACCCTCTGGTTGCATAGGTATTCATACGGTTAAAATTTATCAGGCGCGATCGCGGCAGTTTTTCGGGTGG
TTTGTGCCATTTTACCTGTCTGCTGCCGTGATCGCGTGAACCGTTTTAGCGGTGCGTACAATTAAGGGATTAATGGTAAATCCACTTAC
TGCTGCCCTCGTAGCCATTTTTAACAAAATATTAACGTTTACAATTTAGAGTGGCACTTTTCCGGGAAATGTGCGCGGAACCCCTATTTG
TTTATTTTTCTAAATACATTCAAATATGTATCCGCTCATGAATTAATCTTAGAAAACTCATCGAGCATCAAATGAACTGCAATTTATTC
ATATCAGGATTAATCAATACCATATTTTTGAAAAAGCCGTTTCTGTAATGAAGGAGAAAACTCACCGAGGCGAGTTCCATAGGATGGCAAGATC
CTGGTATCGGTCTGCGATTCGACTCGTCCAACATCAATACAACCTATTAATTTCCCTCGTCAAAAATAAGGTTATCAAGTGAGAAATCAC
CATGAGTGACGACTGAATCCGGTGAATGGCAAAAGTTTATGCATTTCTTCCAGACTTGTTCACAGGCCAGCCATTACGCTCGTCATCA
AAATCACTCGCATCAACCAAACCGTTATTCATTCGTGATTGCGCCTGAGCGAGACGAAATACGCGATCGCTGTTAAAAGGACAATTAACAAC
AGGAATCGAATGCAACCGCGCAGGAACACTGCCAGCGCATCAACAATATTTTCACTGAATCAGGATATCTTCTAATACCTGGAATGCTG
TTTTCCCGGGATCGCAGTGGTGAGTAACCATGCATCATCAGGAGTACGGATAAAAATGCTTGATGGTCGGAAGAGGCATAAATCCGTCAGC
CAGTTTAGTCTGACCATCTCATCTGTAACATCATTGGCAACGCTACCTTTGCCATGTTTTCAGAAACAACCTGCGCATCGGGCTTCCATA
CAATCGATAGATTGTCGCACCTGATTGCCGACATATCGCGAGCCATTTATACCCATATAAATCAGCATCCATGTTGGAATTTAATCGCG
GCCTAGAGCAAGACGTTTTCCCGTTGAATATGGCTCATAACCCCTTGTATTACTGTTTATGTAAGCAGACAGTTTTATTGTTTCATGACCAA
AATCCCTTAACGTGAGTTTTCGTTCCACTGAGCGTCAGACCCGCTAGAAAAGATCAAAGGATCTTCTTGAGATCCTTTTTTTTCTGCGCGTAA
TCTGCTGCTGCAAAACAAAAAACACCCTACCAGCGGTGGTTTGTGTTGCCGATCAAGAGCTACCAACTTTTTTCCGAAGGTAACCTGGC
TTCAGCAGAGCGCAGATACCAAATACTGTCTTCTAGTGTAGCCGTAGTTAGGCCACCCTTCAAGAACTCTGTAGCACCCTACATACCT
CGCTCTGCTAATCTGTTACCAGTGGCTGCTGCCAGTGGCGATAAGTCTGTCTTACCAGGTTGGACTCAAGACGATAGTTACCGGATAAGG
CGCAGCGGTCCGGCTGAACGGGGGTTTCTGTGCACACAGCCAGCTTGGAGCGAACGACCTACACCGAACTGAGATACCTACAGCGTGAGCTA
TGAGAAAGCGCCACGCTTCCCGAAGGGAGAAAGGCGGACAGGTATCCGGTAAGCGGCAGGGTCGGAACAGGAGAGCGCACGAGGGAGCTTCC
AGGGGAAACGCTGGTATCTTTATAGTCTGTGGGTTTCCGCCACCTGACTTGAGCGTCGATTTTTGTGATGCTCGTCAGGGGGGCGGA
GCCTATGAAAAACGCCAGCAACGCGCCTTTTTACGGTTCCCTGGCCTTTTGTGCTCACATGTTCTTCCCTGCGTTATCCCT
GATTCTGTGGATAACCGTATTACCGCCTTTGAGTGTGCTGATACCGCTCGCCGAGCCGAAACGACCGAGCGCAGCGAGTCACTGAGCGGAGGA
AGCGGAAGAGCGCTGATGCGGTATTTCTCCTTACGCATCTGTGCGGTATTTACACCGCATATATGGTGCACCTCTCAGTACAATCTGCTC
```

TGATGCCGCATAGTTAAGCCAGTATACTCCGCTATCGCTACGTGACTGGGTCATGGCTGCGCCCCGACACCCGCCAACACCCGCTGACGC  
GCCCTGACGGGCTTGTCTGCTCCCGGCATCCGCTTACAGACAAGCTGTGACCGTCTCCGGGAGCTGCATGTGTTCAGAGGTTTTACCCGTCAT  
CACCGAAACCGCGGAGGCAGCTGCGGTAAAGCTCATCAGCGTGGTTCGTGAAGCGATTACAGATGTCTGCCTGTTTCATCCGCGTCCAGCTCG  
TTGAGTTTTCTCCAGAAGCGTTAATGTCTGGCTTCTGATAAAGCGGGCCATGTTAAGGGCGGTTTTTTCCTGTTTGGTCACTGATGCCTCCGT  
GTAAGGGGGATTTCTGTTTCATGGGGTAATGATACCGATGAAACGAGAGAGGATGCTCAGATACGGGTTACTGATGATGAACATGCCCGGT  
TACTGGAACGTTGTGAGGGTAAACAACCTGGCGGTATGGATGCGGCGGGACCAGAGAAAAATCACTCAGGGTCAATGCCAGCGCTTCGTTAAT  
ACAGATGTAGGTGTTCCACAGGGTAGCCAGCAGCATCCTGCGATGCAGATCCGGAACATAATGGTGCAGGGCGCTGACTTCCGCGTTTTCCAG  
ACTTTACGAAACACGGAACCGAAGACCATTTCATGTTGTTGCTCAGGTCGAGACGTTTTGCAGCAGCAGTCGCTTCACGTTTCGCTCGCGTA  
TCGGTGATTCATCTGCTAACCAGTAAGGCAACCCCGCCAGCCTAGCCGGTCCCAACGACAGGAGCAGATCATGCGCACCCGTGGGGCC  
GCCATGCCGGCGATAATGGCCTGCTTCTCGCCGAAACGTTTGGTGGCGGGACCAGTGACGAAGGCTTGAGCGAGGGCGTGCAAGATTCCGAA  
TACCGCAAGCGACAGGCCGATCATCGTCGCGCTCCAGCGAAAGCGGTCCCGCCGAAAATGACCCAGAGCGCTGCCGGCACCTGTCTACGA  
GTTGCATGATAAAGAAGACAGTCATAAGTGCGGCGACGATAGTCATGCCCGCGCCACCAGGAGAGCTGACTGGGTTGAAGGCTCTCAAG  
GGCATCGGTCGAGATCCCGGTGCCTAATGAGTGAGCTAACTTACATTAATTGCGTTGCGCTCACTGCCCGCTTCCAGTCGGGAAACCTGTC  
GTGCCAGTGCATTAATGAATCGGCCAACCGCGGGGAGAGGCGGTTTTGCGTATTGGGCGCCAGGGTGGTTTTTTCTTTTACCAGTGAGACG  
GGCAACAGCTGATGCCCCACCGCCTGGCCCTGAGAGAGTTGCAGCAAGCGGTTCCACGCTGGTTTGCCCCAGCAGGCGAAAATCCTGTTTT  
GATGGTGGTTAACGGCGGATATAACATGAGCTGTCTTCGGTATCGTCGTATCCCACTACCGAGATGTCCGCACCAACCGCAGCCCGGACT  
CGGTAATGGCGCGCATTGCGCCCAGCGCCATCTGATCGTTGGCAACCAGCATCGCAGTGGGAACGATGCCCTCATTTCAGCATTTGCATGGTT  
TGTTGAAAACCGGACATGGCACTCCAGTCGCCTTCCCGTTCCGCTATCGGCTGAATTTGATTGCGAGTGAGATATTTATGCCAGCCAGCCAG  
ACGCAGACGCGCCGAGACAGAACTTAATGGGCCCCTAACAGCGCGATTGCTGGTGACCAATGCGACCAGATGTCCACGCCAGTCGCG  
TACCGTCTTCATGGGAGAAAATAATACTGTTGATGGGTGTCTGGTCAGAGACATCAAGAAATAACCGCGGAACATTAGTGCAGGCAGCTTCC  
ACAGCAATGGCATCCTGGTCATCCAGCGGATAGTTAATGATCAGCCACTGACGCGTTGCGCGAGAAGATTGTGCACCGCCGCTTTACAGGC  
TTCGACGCCGCTTCGTTCTACCATCGACACCACCAGCTGGCACCCAGTTGATCGGCGCGAGATTTAATCGCCGCGACAATTTGCGACGGCG  
CGTGCAGGGCCAGACTGGAGGTGGCAACGCCAATCAGCAACGACTGTTTTGCCCGCCAGTTGTTGTGCCACGCGGTTGGGAATGTAATTCAGC  
TCCGCCATCGCCGCTTCCACTTTTTCCCGCGTTTTTCGAGAAACGTTGGCTGGCCTGGTTACCACGCGGAAACGGTCTGATAAGAGACACC  
GGCATACTCTGCGACATCGTATAACGTTACTGGTTTTACATTCACCACCCTGAATTGACTCTCTTCCGGGCGCTATCATGCCATACCCGCGAA  
AGGTTTTGCGCCATTTCATGGTGTCCGGGATCTCGACGCTCTCCCTTATGCGACTCCTGCATTAGGAAGCAGCCAGTAGTAGGTTGAGGCC  
GTTGAGCACCGCCCGCAAGGAATGGTGCATGCAAGGAGATGGCGCCCAACAGTCCCCGGCCACGGGGCTGCCACCATACCCACGCCGA  
AACAAAGCGCTCATGAGCCGAAGTGGCGAGCCCGATCTCCCCATCGGTGATGTGCGCGATATAGGCGCCAGCAACCCGACCTGTGGCGCCG  
GTGATGCCGGCCACGATGCGTCCGGCGTAGAGGATCGAGATCGATCTCGATCCCGGAAAATTAATACGACTCACTATAGGGGAATTTGTGAGC  
GGATAACAATTCCTCTAGAAAATAATTTGTTTAACTTTAAGAGGAGATATAC