

## pET30acer\_dFTN2 sequence:

```
ATATGAAAAAGATTTGGCTGGCGCTGGCTGGTTAGTTTTAGCGTTTAGCGCATCGGCGGACATCCAGATGACGCAATCTCCAAGCTCCCTG
AGCGCGAGCGTTGGCGATCGTGTACCATCACGTGTAAGCCAGCCAAAACGTTGGCACC AATGTTGCGTGGTATCAGCAAAAGCCTGGTAA
GGCTCCGAAAAGCGTGATTTACAGCGCCAGCTTCTGTATTCAGGTGTGCCGTATCGCTTCTCTGGTAGCGGTAGCGGCACGGACTTCACGC
TGACCATTAGCAGCCTGCAGCCGGAAGATTTTGCCACTTATTACTGCCAACAATACAATATTTATCCGCTGACCTTTGGTCAGGGCAGCAAAA
GTTGAGATCAAGCGTACGGTTGCAGCGCCGAGCGTTTTTATCTTTCCGCTAGCGACGAACAGCTGAAGTCTGGTACGGCCAGCGTTGTCTG
CCTGCTGAATAACTTTTACCCACGTGAGGCGAAAAGTCCAGTGGAAAAGTTGATAATGCCCTGCAGAGCGGCAACTCTCAGGAAAAGCCTTACCG
AGCAAGACTCGAAAAGATAGCACCTACAGCCTGTCTCTACCTTGACCCTGAGCAAAAGCTGACTATGAGAAAACACAAAAGTCTACGCGTGTGAA
GTCACTCATCAGGGCCTGTCTAGCCCTGTACCAAAAGCTTCAATCGTGGTGAGTGCTAGTAACAATTAAGATAGTTGATGGATAAACTTGT
TCACTTAAATCAAGAAGGAGAATGTACAATGAAAAAGATTTGGCTGGCGCTGGCTGGTTAGTTTTAGCGTTTAGCGCATCGGCGGAAGTCC
AACTGGTTGAGAGCGGTGGCGCCTGGTCCAGCCGGGTGGCAGCTTGCCTGTGTGTCAGCGTCCGGCTACGCTTTTACGGACTACGGT
ATGAACTGGGTGCGCCAGGCGCCGGGTAAGGGTTTGAGTGGATGGGTTGGATCAATACCTACATCGGTGAACCGATTTACCGGGATAGCGT
GAAGGGTCGTTTCACTTTTTCCCTGGACACCTCCAAAAGCACCGCATATCTGCAGATGAACAGCCTGCGCGCAGAGGATACCGCAGTGTATT
ACTGCGCGCTGGTTACCGTAGCTATGCTATGGACTACTGGGGCAAGGTACCTTAGTGACCGTCAGCAGCGCTTACCAAGGGTCCGTCC
GTTTTTCCGCTGGCGCCGAGCAGCAAGAGCACTAGCGGTGGCACTGCAGCGCTGGGTTGCCTGGTGAAAGACTATTTCCAGAACCAGGTTAC
CGTGAGCTGGAACAGCGCGCGCTGACGAGCGGTGTGCACACCTTCCCGCAGTGTGCAATCGAGCGGTTTGTATTCACTGAGCAGCGCTCG
TGACCGTGCCGTCAGCAGCCTGGGTACCCAAACGTACATTTGTAACGTGAATCACAAGCCGAGCAACACCAAAGTTGACAAAAAAGTTGAG
CCGAAGTCTGTGATAAATAGTAACCTCGAGGAATTCGAGCTCCGTCGACCTAGCATAACCCCGGGGCTCTTCCGGGGTCTCGCGGGGTT
TTTTGCTGAAAAGACTTCAAATAAAAACGAAAGGCTCAGTCGAAAGACTGGGCTTTTCGTTTTATCTGTTGTTGTCGCTGCGGCCGCACTC
GAGCACCACCACCACCCTGAGATCCGGCTGCTAACAAAGCCGAAAGGAAGCTGAGTTGGCTGCTGCCACCCTGAGCAATAAATAGC
ATAACCCCTTGGGGCTCTAACGGGTCTTGAGGGGTTTTTGTGAAAGGAGGAACTATATCCGATTGGCGAATGGGACGCGCCCTGTAG
CGGCGCATTAAGCGCGGAAAATACAGGAACGCACGCTGGATGGCCCTTCGCTGGGATGGTGAACCATGAAAATGGCAGCTTCACTGGATT
AAGTGGGGTAATGTGGCCTGTACCCTCTGGTTGCATAGGTATTCATACGGTTAAAATTTATCAGGCGCGATCGCGGCAGTTTTTCGGGTGG
TTTGTGCCATTTTACCTGTCTGCTGCCGTGATCGCGTGAACCGTTTTAGCGGTGCGTACAATTAAGGGATTAATGGTAAATCCACTTAC
TGCTGCCCTCGTAGCCATTTTTAACAAAATATTAACGTTTACAATTTAGGTGGCACTTTTCGGGAAATGTGCGCGGAACCCCTATTTG
TTTATTTTTCTAAATACATTCAAATATGTATCCGCTCATGAATTAATCTTAGAAAACTCATCGAGCATCAAATGAACTGCAATTTATTC
ATATCAGGATTATCAATACCATATTTTTGAAAAAGCCGTTCTGTAATGAAGGAGAAAACCTACCAGGCGAGTTCCATAGGATGGCAAGATC
CTGGTATCGGTCTGCGATTCGACTCGTCCAACATCAATACAACCTATTAATTTCCCTCGTCAAAAATAAGGTTATCAAGTGAGAAATCAC
CATGAGTGACGACTGAATCCGGTGAGAATGGCAAAAGTTTATGCATTTCTTCCAGACTTGTTCACAGGCCAGCCATTACGCTCGTCATCA
AAATCACTCGCATCAACCAAACCGTTATTCATTCGTGATTGCGCCTGAGCGAGACGAAATACGCGATCGCTGTTAAAAGGACAATTAACAAC
AGGAATCGAATGCAACCGCGCAGGAACACTGCCAGCGCATCAACAATATTTTCACTGAATCAGGATATCTTCTAATACCTGGAATGCTG
TTTTCCCGGGATCGCAGTGGTGAGTAACCATGCATCATCAGGAGTACGGATAAAAATGCTTGATGGTCGGAAGAGGCATAAATCCGTCAGC
CAGTTTAGTCTGACCATCTCATCTGTAACATCATTGGCAACGCTACCTTTGCCATGTTTCAGAAACAACCTGCGCATCGGGCTTCCATA
CAATCGATAGATTGTCGCACCTGATTGCCGACATATCGCGAGCCATTTATACCCATATAAATCAGCATCCATGTTGGAATTTAATCGCG
GCCTAGAGCAAGACGTTTTCCCGTTGAATATGGCTCATAACCCCTTGTATTACTGTTTATGTAAGCAGACAGTTTTATTGTTTCATGACCAA
AATCCCTTAACGTGAGTTTTTCGTTCCACTGAGCGTCAGACCCGCTAGAAAAGATCAAAGGATCTTCTTGAGATCCTTTTTTTTCTGCGCGTAA
TCTGCTGCTGCAAAACAAAAAACACCAGCTACCAGCGGTGGTTTGTGTTGCCGATCAAGAGCTACCAACTTTTTTCCGAAGGTAACCTGGC
TTCAGCAGAGCGCAGATACCAAATACTGTCTTCTAGTGTAGCCGTAGTTAGGCCACCCTTCAAGAACTCTGTAGCACCCTACATACCT
CGCTCTGCTAATCTGTTACCAGTGGCTGCTGCCAGTGGCGATAAGTCTGTCTTACCAGGTTGGACTCAAGACGATAGTTACCGGATAAGG
CGCAGCGGTGCGGCTGAACGGGGGTTTCGTGCACACAGCCAGCTTGGAGCGAACGACCTACCCGAACTGAGATACCTACAGCGTGAGCTA
TGAGAAAGCGCCACGCTTCCCGAAGGGAGAAAGGCGGACAGGTATCCGGTAAGCGGCAGGGTCGGAACAGGAGAGCGCACGAGGGAGCTTCC
AGGGGAAACGCTGGTATCTTTATAGTCTGTGCGGTTTCGCCACCTGACTTGAGCGTCGATTTTTGTGATGCTCGTCAGGGGGGCGGA
GCCTATGAAAAACGCCAGCAACGCGCCTTTTTACGGTTCCTGGCCTTTTGTGCTCACATGTTCTTCTCGGTTATCCCT
GATTCTGTGGATAACCGTATTACCGCCTTTGAGTGTGACTGATACCGCTCGCGCAGCCGAAACGACCAGCGCAGCGAGTCACTGAGCGAGGA
AGCGGAAGAGCGCTGATGCGGTATTTCTCCTTACGCATCTGTGCGGTATTTACACCGCATATATGGTGCACCTCTCAGTACAATCTGCTC
```

TGATGCCGCATAGTTAAGCCAGTATACTCCGCTATCGCTACGTGACTGGGTCATGGCTGCGCCCCGACACCCGCCAACACCCGCTGACGC  
GCCCTGACGGGCTTGTCTGCTCCCGGCATCCGCTTACAGACAAGCTGTGACCGTCTCCGGGAGCTGCATGTGTTCAGAGGTTTTACCCGTCAT  
CACCGAAACGCGCGAGGCAGCTGCGGTAAGCTCATCAGCGTGGTTCGTGAAGCGATTACAGATGTCTGCCTGTTTCATCCGCGTCCAGCTCG  
TTGAGTTTTCTCCAGAAGCGTTAATGTCTGGCTTCTGATAAAGCGGGCCATGTTAAGGGCGGTTTTTTCCTGTTTGGTCACTGATGCCTCCGT  
GTAAGGGGGATTTCTGTTTCATGGGGTAATGATACCGATGAAACGAGAGAGGATGCTCAGATACGGGTTACTGATGATGAACATGCCCGGT  
TACTGGAACGTTGTGAGGGTAAACAACCTGGCGGTATGGATGCGGCGGGACCAGAGAAAAATCACTCAGGGTCAATGCCAGCGCTTCGTTAAT  
ACAGATGTAGGTGTTCCACAGGGTAGCCAGCAGCATCCTGCGATGCAGATCCGGAACATAATGGTGCAGGGCGCTGACTTCCGCGTTTCCAG  
ACTTTACGAAACACGGAACCGAAGACCATTTCATGTTGTTGCTCAGGTCGACAGCGTTTTGCAGCAGCAGTCGCTTCACGTTTCGCTCGCGTA  
TCGGTGATTCATCTGCTAACCAGTAAGGCAACCCCGCCAGCCTAGCCGGTCCCAACGACAGGAGCAGATCATGCGCACCCGTGGGGCC  
GCCATGCCGGCGATAATGGCCTGCTTCTCGCCGAAACGTTTGGTGGCGGGACCAGTGACGAAGGCTTGAGCGAGGGCGTGCAAGATTCCGAA  
TACCGCAAGCGACAGGCCGATCATCGTCGCGCTCCAGCGAAAGCGGTCCCGCCGAAAATGACCCAGAGCGCTGCCGGCACCTGTCTACGA  
GTTGCATGATAAAGAAGACAGTCATAAGTGCGGCGACGATAGTCATGCCCGCGCCACCAGGAAGGAGCTGACTGGGTTGAAGGCTCTCAAG  
GGCATCGGTCGAGATCCCGGTGCCTAATGAGTGAGCTAACTTACATTAATTGCGTTGCGCTCACTGCCCGCTTCCAGTCGGGAAACCTGTC  
GTGCCAGTGCATTAATGAATCGGCCAACGCGCGGGGAGAGGCGGTTTTGCGTATTGGGCGCCAGGGTGGTTTTTTCTTTTACCAGTGAGACG  
GGCAACAGCTGATGCCCCACCGCCTGGCCCTGAGAGAGTTGCAGCAAGCGGTTCCACGCTGGTTTGCCCCAGCAGGCGAAAATCCTGTTTT  
GATGGTGGTTAACGGCGGATATAACATGAGCTGTCTTCGGTATCGTCGTATCCCACTACCGAGATGTCCGCACCAACGCGCAGCCCGACT  
CGGTAATGGCGCGCATTGCGCCCAGCGCCATCTGATCGTTGGCAACCAGCATCGCAGTGGGAACGATGCCCTCATTTCAGCATTTGCATGGTT  
TGTTGAAAACCGGACATGGCACTCCAGTCGCCTTCCCGTTCCGCTATCGGCTGAATTTGATTGCGAGTGAGATATTTATGCCAGCCAGCCAG  
ACGCAGACGCGCCGAGACAGAACTTAATGGGCCCCTAACAGCGCGATTGCTGGTGACCAATGCGACCAGATGTCCACGCCAGTCGCG  
TACCGTCTTCATGGGAGAAAATAACTGTTGATGGGTGTCTGGTCAGAGACATCAAGAAATAACGCCGGAACATTAGTGCAGGCAGCTTCC  
ACAGCAATGGCATCCTGGTCATCCAGCGGATAGTTAATGATCAGCCACTGACGCGTTGCGCGAGAAGATTGTGCACCGCCGCTTTACAGGC  
TTCGACGCCGCTTCGTTCTACCATCGACACCACCAGCTGGCACCCAGTTGATCGGCGCGAGATTTAATCGCCGCGACAATTTGCGACGGCG  
CGTGCAGGGCCAGACTGGAGGTGGCAACGCCAATCAGCAACGACTGTTTGCCTCCAGTTGTTGTGCCACGCGGTTGGGAATGTAATTCAGC  
TCCGCCATCGCCGCTTCCACTTTTTCCCGCGTTTTTCGAGAAACGTTGGCTGGCTGGTTACCACGCGGAAACGGTCTGATAAGAGACACC  
GGCATACTCTGCGACATCGTATAACGTTACTGGTTTTACATTCACCACCCTGAATTGACTCTCTTCCGGGCGCTATCATGCCATACCCGCGAA  
AGGTTTTGCGCCATTTCATGGTGTCCGGGATCTCGACGCTCTCCCTTATGCGACTCCTGCATTAGGAAGCAGCCAGTAGTAGGTTGAGGCC  
GTTGAGCACCGCCCGCAAGGAATGGTGCATGCAAGGAGATGGCGCCCAACAGTCCCCGGCCACGGGGCTGCCACCATACCCACGCCGA  
AACAAAGCGCTCATGAGCCGAAGTGGCGAGCCCGATCTTCCCATCGGTGATGTGCGCGATATAGGCGCCAGCAACCCGACCTGTGGCGCCG  
GTGATGCCGGCCACGATGCGTCCGGCGTAGAGGATCGAGATCGATCTCGATCCCGGAAAATTAATACGACTCACTATAGGGGAATTTGTGAGC  
GGATAACAATTCCTCTAGAAAATAATTTGTTTAACTTTAAGAGGAGATATAC