



Bacterial expression vector pHT-PRD (pHT-DY1aPRD)

Product: 6X His-tagged dynamin 1a PRD (residues 746-864)

Product calculated MW: 12954.5

Promoter: T7 RNA polymerase promoter

Parent vector: modified pND1, Amp^R

Required host for expression: BL21 or strains containing T7 RNA polymerase

Reference:

Liu, Y., Adayev, T., and Hwang, Y. W. (2017) An ELISA DYRK1A Non Radioactive Assay Suitable for the Characterization of Inhibitors. F1000Research (<https://f1000research.com/articles/6-42/>)

pHT-PRD Sequence

ATTTCTTGAAGACGAAAGGGCCTCGTGTTACGCCTATTTTTATAGGTTAATGTCATGATAATAATGGTTTCTTAGACGT
CAGGTGGCACTTTTCGGGGAAATGTGCGCGGAACCCCTATTTGTTTATTTTCTAAATACATTCAAATATGTATCCGCT
CATGAGACAATAACCCTGATAAATGCTTCAATAATATTGAAAAAGGAAGAGTATGAGTATTCAACATTTCCGTGTCGCC
CTTATTTCCCTTTTTTCCGGCATTTCCTTCCCTGTTTTTGTCTACCCAGAAACGCTGGTGAAAGTAAAAGATGCTGAAG
ATCAGTTGGGTGCACGAGTGGGTACATCGAACTGGATCTCAACAGCGGTAAGATCCTTGAGAGTTTTTCGCCCGAAGA
ACGTTTTCCAATGATGAGCACTTTTAAAGTTCCTGCTATGTGGCGCGGTATATCCCGTATTGACGCCGGGCAAGAGCAA
CTCGGTGCGCGCATACTATTCTCAGAATGACTTGGTTGAGTACTCACCAGTACACAGAAAAGCATCTTACGGATGGCA
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AGGACCGAAGGAGCTAACCCTTTTTTGCACAACATGGGGGATCATGTAACCTCGCCTTGATCGTTGGGAACCGGAGCTG
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GCGAACTACTTACTCTAGCTTCCCGGCAACAATTAATAGACTGGATGGAGGCGGATAAAGTTGCAGGACCCTTCTGCG
CTCGGCCCTTCGGCTGGCTGGTTTATTGCTGATAAATCTGGAGCCGGTGAGCGTGGGTCTCGCGGTATCATTGACGCA
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GACAGATCGCTGAGATAGGTGCCTCACTGATTAAGCATTGGTAACTGTCAGACCAAGTTTACTCATATATACTTTAGAT
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CGTGAGTTTTCGTTCCACTGAGCGTCAGACCCGTAGAAAAGATCAAAGGATCTTCTTGAGATCCTTTTTTCTGCGCG
TAATCTGCTGCTTGCAAACAAAAAACACCGCTACCAGCGGTGTTTTGTTTGGCCGATCAAGAGCTACCAACTCTTTT
TCCGAAGGTAACGGCTTCAGCAGAGCGCAGATACCAATACTGTCTTCTAGTGTAGCCGTAGTTAGGCCACCCTTC
AAGAACTCTGTAGCACCGCCTACATACTCGCTCTGCTAATCCTGTTACCAGTGGCTGCTGCCAGTGGCGATAAGTCGT
GTCTTACCGGTTGGACTCAAGACGATAGTTACCGGATAAGGCGCAGCGGTGGGCTGAACGGGGGGTTCGTGCACAGA
GCCAGCTTGGAGCGAACGACCTACACCGAAGTGAAGATACCTACAGCGTGAGCATTGAGAAAGCGCCACGCTTCCCGAA
GGGAGAAAAGCGGACAGGTATCCGGTAAGCGGCAGGGTTCGGAACAGGAGAGCGCACGAGGGAGCTTCCAGGGGGAAACG
CCTGGTATCTTTATAGTCCTGTGCGGTTTCGCCACCTCTGACTTGAGCGTCGATTTTTTGTGATGCTCGTCAGGGGGGCG
GAGCCTATGGAAAACGCCAGCAACGCGCCTTTTTACGGTTTCTGGCCTTTTGTGCTGGCCTTTTGTCTACATGTTCTTT
CCTGCGTTATCCCTGATTCTGTGGATAACCGTATTACCGCCTTTGAGTGAGCTGATACCGCTCGCCGCAGCCGAACGA
CCGAGCGCAGCGAGTCAGTGAGCGAGGAAGCGGAAGAGCGCCCAATACGCAAACCGCCTCTCCCCGCGGTTGGCCGAT
TCATTAATGCAGCTGGCTTATCGAAATTAATACGACTCACTATAGGGAGACCGGAATTCAAAATTAAGGAGGATCCATC
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GTGCAGAGCGTACCGGCCGGACGCAGGTCGCCACGTCCAGCCCCACGCCGACGCGCCGAGCCCCCGCCGTGCCCCAG
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CAGACCAGGAGCTAGCCCTGATCCTTTTGGTCTCCTCCTCAAGTACCTTCGCGACCAAACCGCGCTCCTCCTGGGGTA
CCAAGTCGTTCAAGACAAGCATCACCTTCTAGACCAGAATCTCCACGACCACCTTTTGACCTATGACTCGAGTAGCTTG
CATCTATGGTCTCTCCCTTTAGTGAGGGTTAATTAGAAACTGGAGTCGATGATAAGCTGTCAAACATGAGAATT