

Product datasheet for **MR200372**

Wdr83os (NM_001001493) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Wdr83os (NM_001001493) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Wdr83os
Synonyms: Wdr83os
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200372 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCACTAACAAATATGTCCGACCCACGAAGGCCCAACAAAGTCTGAGGTATAAGCCTCCCCGAGTG
 AGTGCAACCCGGCTTTAGACGACCCGACTCCGGACTACATGAATCTTCTTGGCATGATCTTCAGCATGTG
 TGGCCTCATGCTAAGCTGAAGTGGTGTGCTTGGGTTGCTGTCTACTGCTCCTTTATCAGCTTTGCCAAC
 TCGGGAGCTCGGAGGACACTAAGCAGATGATGAGTAGCTTCATGCTCTATCTCCGCCGTGGTATGT
 CCTATCTGCAGAATCCTCAGCCCATGACGCTCCCTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200372 protein sequence
 Red=Cloning site Green=Tags(s)
 MSTNMSDPRRPNKVLRYPKPPSECNPALDDPTPDYMNLLGMIFSMCGLMLKWKCAWVAVYCSFISFAN
 SRSEEDTKQMSSFMLSISAVVMSYLQNPQPMTPPW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

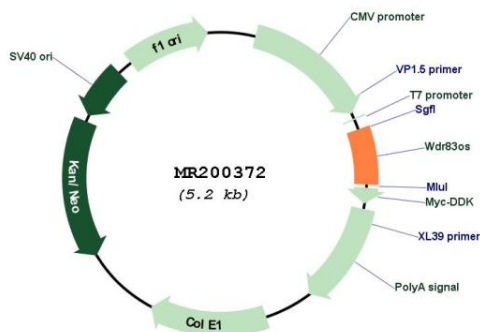


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Locus ID: 414077
UniProt ID: [Q6ZWX0](#)
Cytogenetics: 8 C3
MW: 12.1 kDa

Gene Summary: Component of the PAT complex, an endoplasmic reticulum (ER)-resident membrane multiprotein complex that facilitates multi-pass membrane proteins insertion into membranes. The PAT complex acts as an intramembrane chaperone by directly interacting with nascent transmembrane domains (TMDs), releasing its substrates upon correct folding, and is needed for optimal biogenesis of multi-pass membrane proteins. WDR83OS/Asterix is the substrate-interacting subunit of the PAT complex, whereas CCDC47 is required to maintain the stability of WDR83OS/Asterix. WDR83OS/Asterix associates with the first transmembrane domain (TMD1) of the nascent chain, independently of the N-glycosylation of the chain and irrespective of the amino acid sequence and transmembrane topology of TMD1. The PAT complex favors the binding to TMDs with exposed hydrophilic amino acids within the lipid bilayer and provides a membrane-embedded partially hydrophilic environment in which TMD1 binds.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200372