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Product datasheet for MC225448

Wdfy4 (NM_001146022) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Wdfy4
Synonyms:	Gm18810
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC225448 representing NM_001146022
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGCTGAAGATCTTTCAAAGACTGAGGACAGACCCGAGGACCCAGGTTTCCAAAATGAAGGGCAAT
CCCCTGCTGTGAAGCCCAGTTTTTCACTAGAAGGGCAGTCGCCCGGCCCCAGTGTCCTCTGGGATATGCT
TGAACAGAAATTCCTGGACTATCAGCAGCTAATGCCCAGGAACCCAGAAGAACGTCGCAAGAACTTGCTG
AGCCTTCTCCCCCTCTTCCTAAAGGCTTGGGAACATTCTGTGGGTATTATCTGCTTTCGAAGTCTCCAAA
GGCTGGCAGAAGATGTGTCTGACCAACTTGCCCAGGAAATACAACAGGCACTTGCTGGGAAGCCCGCAGA
GCAAGCCCGGGCCGCAGCTGGGCAGCTACTGCAGTGGAAGAGTGACGCGGATCAGGATGGCAACCTGCTC
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TGGCCCAGCTGCGGAAACAGGCCAAGATCATGAGGAAGTCAGGAAACAAAGAGTGCAGCCCTGATGTGCA
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CCAGAGGTCACAAGTGGGCCAAGAATCTTGCCCTGAGCCGAGAGCTGGATGTCAGTGTTGCTCTGAGTGG
CAAGCCCAGCAAGGCAAGTCCTGCTGTGACAGCTCTGGCCATCACTAGGAACCAGAGCAAGCTCTTGGTT
GGCGATGAGAAGGGGCGAATCTTCTGCTGGTCTGCTGATGGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001146022
Insert Size:	9075 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001146022.2, NP_001139494.1
RefSeq Size:	9681 bp
RefSeq ORF:	9075 bp
Locus ID:	545030
Cytogenetics:	14 B
Gene Summary:	Plays a critical role in the regulation of cDC1-mediated cross-presentation of viral and tumor antigens in dendritic cells (PubMed:30409884). Mechanistically, acts near the plasma membrane and interacts with endosomal membranes to promote endosomal-to-cytosol antigen trafficking (PubMed:30409884). Plays also a role in B-cell survival through regulation of autophagy (PubMed:30257884).[UniProtKB/Swiss-Prot Function]