

Product datasheet for MC207721

Plekhf1 (NM_024413) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plekhf1 (NM_024413) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plekhf1
Synonyms:	1810013P09Rik; APPD; LAPF; PHAFIN1; ZFYVE15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207721 representing NM_024413 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGTGGACCACTTGGCAAACACGGAGATCAACAGCCAGCGGATTGCAGCAGTGGAGAGCTGTTTTGGGG
CATCGGGCAACCGCTGGCCCTGCCCGCCGTGTGCTCCTAGGCGAGGGGGTACTGACCAAGGAGTGCCG
CAAGAAGGCCAAGCCACGCATCTTCTTTCTTTCAACGACATCCTGGTGTATGGCAGTATTGTGCTTAGC
AAGCGCAAGTACCGCAGCCAGCATATTATCCCCTAGAAGAGGTAACATTGGAGCCACTGCCGAGACCC
TGCAGGCCAAGAACCGATGGATGATCAAGACAGCCAAGAAGTCCTTTGTGGTGTGCGCAGCCTCCACCAC
GGAGCGCCAGGAATGGATAAGCCACATCGAAGAGTGTGTGCGGAGGCAGCTACTGGCCACAGGCCCGCAG
CCCACCACGGAGCACGCAGCTCCCTGGATCCCGGACAAGGCCACGGACATTTGCATGCGCTGCACGCAGA
CGCGCTTCTCCGCACTACCCCGCGTCACCACTGCCGCAAATGCGGGTTTGTGGTCTGTGCTGAGTGTTT
CAGGGAGCGTTTCTGTTGCCACGTCTCTCTCCAAGCCCTTCGCGTCTGCAGCCTGTGCTACCGAGAG
CTGGCCGCCAGAAGCTGAGGGAGGAGGCCAGGGAGGGGATCGGAGGCTCTCCACCGCAGCTGTCCCACC
TAGGCGGCACTGTCTGTGGTGCATCCAGTGGCGATGACGATGACTCCGATGAGGACAGAGAGGGCAATGG
AGATGGTACTGGCCACCCAGGTGGAGTCTATGCTTCTGGTGTCTCCTGGTCAGCCTCCATAGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_024413
Insert Size:	840 bp



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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:	<ol style="list-style-type: none">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.
RefSeq:	NM_024413.2 , NP_077724.2
RefSeq Size:	1559 bp
RefSeq ORF:	840 bp
Locus ID:	72287
UniProt ID:	Q3TB82
Cytogenetics:	7 B3
Gene Summary:	May induce apoptosis through the lysosomal-mitochondrial pathway. Translocates to the lysosome initiating the permeabilization of lysosomal membrane (LMP) and resulting in the release of CTSD and CTSL to the cytoplasm. Triggers the caspase-independent apoptosis by altering mitochondrial membrane permeabilization (MMP) resulting in the release of PDCD8 (By similarity).[UniProtKB/Swiss-Prot Function]