

Product datasheet for RN211451

Plekhf1 (NM_001013148) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Plekhf1 (NM_001013148) Rat Untagged Clone
Tag: Tag Free
Symbol: Plekhf1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN211451 representing NM_001013148

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGACCACTTGGCAAACACAGAGATCAACAGCCAACGGATTGCAGCGGTGGAGAACTGTTTTGGGG
CATCGGGCAACCGCTGGCCCTGCCGGCCGTGTGCTCCTAGGCGAGGGAGTGCTGACCAAGGAGTGCCG
CAAAAAGGCCAAGCCGCGCATCTTCTTCTTTCAACGACATCCTGGTGTATGGCAGCATTGTGCTGAGC
AAGCGCAAGTACCGCAGCCAGCATATCATCCCCCTGGAAGAGGTAACCTGGAGCCACTGCCGGAGACCC
TGCAGGCCAAGAACCCTGGATGATCAAGACAGCCAAGAAGTCTTCGTGGTCTCGGCAGCCTCCACCAC
AGAGCGCCAGGAATGGATAAGCCACATCGAAGAGTGCGTGCGGAGGCAGCTGCTGGCAACAGGCCGCCAG
CCCACCACGGAGCAGCAGCGCCCTGGATCCCCGACAAGGCAACGGACATCTGCATGCGCTGCACGCAGA
CACGCTTCTCGGCGCTCACCCGGCGTCACCACTGCCGCAAATGCGGGTTTGTGGTCTGTGCTGAGTGTT
CAGGGAGCGTTTCTGTTGCCACGTCTCTCCCCAAGCCCCTTCGTGTCTGCAGCCTCTGCTACCGAGAG
CTGGCCGCCCAGAAGCGGAGGGAGGCAAGGAGAGTTTCCGGGCTCTCCGGGCAGCTGACCCACC
TAGGCAGCACCATGTGTGGTGCCTCCAGTGGCGATGACGATGACTCCGATGAGGACAGAGGGCAGTGG
AGATGGTACTGGCCACCCAGGTGGAGTTCTATGCTTCTGGTGTCTCCTGGTCAGCCTCCATAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001013148
Insert Size: 840 bp



[View online »](#)

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:	<u>NM_001013148.1</u> , <u>NP_001013166.1</u>
RefSeq Size:	1504 bp
RefSeq ORF:	840 bp
Locus ID:	308543
UniProt ID:	<u>Q68FU1</u>
Cytogenetics:	1q21
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 CTSB 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]