

Product datasheet for **SC210462**

PLEKHM2 (NM_015164) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: PLEKHM2 (NM_015164) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: PLEKHM2
Synonyms: SKIP
ACCN: NM_015164
Insert Size: 865 bp
Insert Sequence: >SC210462 3'UTR clone of NM_015164

The sequence shown below is from the reference sequence of NM_015164. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGCCGAGCCTCCCGAGACCCCTGGTGCTGAGGCAGAGCTGGTTGGCGTCCCTGGTGGGCAGGAAAGGAA
GGCACGCCAGCCGGCAGGCACACTGTCACGGCTTTGTCATGCTGTCGGGAGCCTACAGTCCACCCCTG
CCCTGGGCGGCAGAACACCAGTGTGGCTTAAGACAGGGTCCCTCCACTCCAGGATCCAGATCAGGT
GCCCGGCACCCCTGGGCATCCTGCCGACAGGTAGCGAATGGAGGTCGCTGGGGGAGAGGGTCCGAGC
CCTGTGGGCTCTGCGGATGCACGCCCTCTCCCGGCCTCCGCCTCAGTCTGCAGAATTTCTGCCGAGT
GGCACCGAGAACCACCATCCATCTAAGGACGAACAAAAGAACCAGGAGGGCGGGACCCCTCTTCTCTCT
CCTGGGTTGGGGGCTGGGGCCCTGAGTGCCAGCCATCCTTGTTCGTGTTTGAACACTCTCTGGCCAC
GTGGGGAAGCGGGAACACGGGGTGTCTGCGCATGTTTCTCTCCTAGCTCCATCACTGCGCACACAGC
TGCTGCCTCGCCAGATGCAGGGGGCGGGCAGCCCTCCCTGGCTGCCAGGAGGCTCTGCATGCCACA
GTCCTGCCCTGCCTGTCCCTCAACCCGGCAGTGCCTGTAGCACCGAGGAGCAAAGGGGGTGGATGGGG
GGCTTGAGAAAGGGCGGAGCCCACCAGCCTGGCATCCATGTTGACATCTTCTGACTGTCCCTGCTTGG
CTGGAGCCAGGCCCTTCCCTAGAGTTTCGTCAAGAGCCTCCTGGGGAAGGGGTACAGTGGTTTGGGTTT
TGTTTTTTAAAATAAAATAGACATGTTATATTGCCAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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| Components: | The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials. |
| RefSeq: | NM_015164.4 |
| Summary: | This gene encodes a protein that binds the plus-end directed microtubule motor protein kinesin, together with the lysosomal GTPase Arl8, and is required for lysosomes to distribute away from the microtubule-organizing center. The encoded protein belongs to the multisubunit BLOC-one-related complex that regulates lysosome positioning. It binds a Salmonella effector protein called Salmonella induced filament A and is a critical host determinant in Salmonella pathogenesis. It has a domain architecture consisting of an N-terminal RPIP8, UNC-14, and NESCA (RUN) domain that binds kinesin-1 as well as the lysosomal GTPase Arl8, and a C-terminal pleckstrin homology domain that binds the Salmonella induced filament A effector protein. Naturally occurring mutations in this gene lead to abnormal localization of lysosomes, impaired autophagy flux and are associated with recessive dilated cardiomyopathy and left ventricular noncompaction. [provided by RefSeq, Feb 2017] |
| Locus ID: | 23207 |
| MW: | 30.6 |