

Product datasheet for MC225160

Heatr5b (NM_001081179) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Heatr5b (NM_001081179) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Heatr5b
Synonyms:	2010013B10Rik; A230048G03Rik; AV071430; D330050P16Rik; mKIAA1414
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225160 representing NM_001081179 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGAGCTAGCTCACAGTTTATTGCTAAATGAGGAAGCTTTGGCTCAGATCACGGAGGCAAAGAGACCCG
TGTTTCATCTTTGAATGGTTGAGATTTCTTGATAAAGTCCTAGTTGCTGCCAACAAGACAGATGTAAAGA
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CTCAACAACCTCAAGACATCCCCAGAAGCTGTTAGTGGATACAGTTTTGCAATGGCCGCCTTGTTGGGTG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001081179
Insert Size:	6213 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:	<u>NM_001081179.1</u> , <u>NP_001074648.1</u>
RefSeq Size:	6437 bp
RefSeq ORF:	6213 bp
Locus ID:	320473
UniProt ID:	<u>Q8C547</u>

Cytogenetics: 17 E3

Gene Summary: Component of clathrin-coated vesicles (By similarity). Component of the aftiphilin/p200/gamma-synergic complex, which plays roles in AP1G1/AP-1-mediated protein trafficking including the trafficking of transferrin from early to recycling endosomes, and the membrane trafficking of furin and the lysosomal enzyme cathepsin D between the trans-Golgi network (TGN) and endosomes (By similarity).[UniProtKB/Swiss-Prot Function]