

Product datasheet for **MC228944**

Fam160a2 (NM_001242365) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam160a2 (NM_001242365) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fam160a2
Synonyms:	4632419K20Rik; 6530415H11Rik; FHIP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228944 representing NM_001242365
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGAAGATGAACTGGTTAAGCAGGCTGGCCTCCCGGGTCCCTGGGCACCGTGTACCACAAGGGGCCA
 GTCTACAGACCCCTGTCAATGGCTGACCCTGAGACATGCCTCATGGTCTTCAAGAATCATTGGTCCCAGGT
 GGTACGAATCCTGGAGCGCAAGGCCCTCGGGCAGCTACTGGAGGTGCAGATGATCTCAGTGTGTGAGA
 AACACACGTACCAAATGCTAACATTGCTGGCAGAGGATCGAGCAGTTCCCTTCAGCTCCCTCAGGCCCTG
 GGCCCTGCTAGAGTTTGTCTTTCGTGAAGATCTGCTGAGCCGAGTGTGACATGGCAGTTGCAATGGGA
 TGAGTTTGGGGATGGGGTTGAAGAACGGCGGGCTGAACAGTTGAAACTATTTGAAATGCTAGTGAGCGAA
 GCTCGCCAACCTCTGTTGCGGCATGGGCCAGTTCGAGAGGCTCTGCTTCCCTACTGGATGCCTGTGGCC
 GCCCTGTGCCAGTAGTCCAGCACTGGATGAAGGCCTGGTCTACTTCTCAGCCAACTGTGCGTGTGTGT
 TGCTCGGGAGCCTTCACTGCTCGAGTTCTTCTGAGCCACCCAGAGCCTGGAGCTGCTCCACGTCTT
 CTCTCTTTTCTCGCCTTGTCCCTTTGTCCATCGAGAAGGCACCTGGGCCAGCAGGCCCGTGATGCTC
 TACTTCTGCTCATGGCTCTGTGAGATGGGAGCCCCACTGTGGGCCGCTACATCGCAGATCACTCTTACTT
 CTGCCCGGTGCTGGCCACAGGGCTGAGCGCCCTGTACTCCTCACTGCCTCGAAAGATTGAGGTTCCGGGG
 GATGATTGGCACTGCTTGCGCCGGAAGACTGGATAGGAGTGCCTGCCCTTGCACTCTTCATGAGTTCCC
 TTGAGTTCTGCAATGCAGTCACTCAGGTAGCTCACCCGCTGGTGCAGAAGCAGCTGGTTGATTATATTCA
 CAATGGTTTCTGGTGCCTGTGATGGGCCCTGCCCTGCACAAGACCTCTGTGGAGGAGATGATTGCGAGT
 ACCGCCACTCGAACTTTTCTGCGGAGCATCTCAGAGCCTGCTTTCCTCGTACCTTCTCGCATTCC
 GTTTGTTACATCGGCATGATACCCACACCATCCTTGACACGCTCGTTGCCCGTATTGGCAGCAACTCCCG
 GCTCTGCATGGTCTCTGAGTCTCTCAGGACCTTCTGAACCTCAGCTGTGAGGATGTTCTGCTGCAG
 CTGGTTCTCAGGTATCTTGTCCATGTAACCATGTGATGCTAAGCCAGAAGCCAGCTGTGCGTGATGTGG
 ATCTTTATGGACGAGCAGCTGACAAGTTTCTCTCCCTAATACCACGCTGTGCCGGCACCATGCCCTAG
 CCCACCTCGACCAGAGCATGCCTCATGGGCACGAGGTGGGCCCTAGCAGAGAGGCAGGGAGAAGGGAGGAC
 ATCACGGGCCCTGGAAGCCCAAGTGTGATTCTTCGTGAGTGGTAAACAGTCCCCGCCCTCCACACCAT
 CTCGTCTGGCTCTGTTTCTCGCAACAGAGCCTAGGTGGCTCTGAGTCCCCAGGTCCAGTTCTCTGATC
 ACCAGGGCTTACTGCATCTCAACTTCCAGCCCTAGTGAAGGCCAGCCCTGCAGAGGAGCCTGGCCCC
 TTCATGGCTGTGCTTTTGCCAACTCGAGAACATGCTGCAGAACTCCGCTATGTCAACTTCTCTGCTGA
 CGGGGCTGGTGGCCAGCTGGCCTGTACCCCCAGCCCTGCTCCGCTCTTCTGCTCAACACCAACAT
 GGTCTTCCAGCCAGTGTCAAGTCCCTGCTGCAGGTGCTGGGCTCTGTGAAGAATAAGATTGAGAGCTTT
 GCGGCCTCCCAGGAGGACTTCCCTGCTCTGCTATCCAAAGCCAAGAAGTACCTCATTGCCCGTGGCAAGC
 TGGACTGGGCTGAGGGTCTACAGCAGGACCTGCCCCCGCCGCTCTGATTCCCTAGTGAGGAGCCGGAG
 GCCATCCTTGGGGGAATTACTCTGCGGCATGCACACAGCCCAACCAGGGCCCGACAGGCGGTGCAGGTT
 CTCAAACCTGGGCGAGATGGAACAGGACTTGGACTAGGTGGGGGCTCTCCAGGGGCTTCAACTCCAGTTC
 TACTTCCCCGGGCGGGGCTTCTGAGCGCAAGGTGAGGCTCTTCGAGTCAAGAATGCTGTCTACTGTGC
 AGTCATTTTCCCTGAGTTTCTCAAGGAGTTGGCTGCCATCTCCAGGCCATGCTGTACCTCGCCTTTC
 TTGTTGGATACTCAGAGGAGGTATCTTCTCCCATCTCAGGCTTTGGGCCCTCAATCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001242365
Insert Size: 2376 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001242365.2, NP_001229294.1</u>
RefSeq Size:	10301 bp
RefSeq ORF:	2376 bp
Locus ID:	74349
UniProt ID:	<u>Q3U2I3</u>
Cytogenetics:	7 E3
Gene Summary:	<p>Component of the FTS/Hook/FHIP complex (FHF complex). The FHF complex may function to promote vesicle trafficking and/or fusion via the homotypic vesicular protein sorting complex (the HOPS complex) (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and has alternate in-frame splice junctions at the 3' ends of two exons compared to variant 1. The resulting isoform (c) contains an alternate internal segment and lacks another alternate internal segment compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>