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Product datasheet for RC226307

FAM160A1 (NM_001109977) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM160A1 (NM_001109977) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM160A1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC226307 representing NM_001109977
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGTCATCGGTTTCGACAGAAAGCAAACTCCAGCAGGCTGTGAGCCTACAGGGAGTTGACCCAGAAA
CATGCATGATTGTATTTAAAAACCACTGGGCACAGGTTGTGAAAATCTTGGAGAAGCACGACCCCTTGAA
GAACACCCAGGCAAAATATGGGTCTATCCCTCCAGATGAGGCCAGTGCCGTGCAGAATTACGTAGAACAC
ATGCTCTTCTTGTTGATTGAAGAGCAAGCCAAAGATGCTGCAATGGGGCCGATTCTGGAATTTGTGGTCT
CTGAGAACATCATGGAGAAACTTTTCCTTTGGAGCTTGAGAAGGGAGTTTACTGATGAGACTAAAATTGA
GCAGCTAAAGATGTATGAGATGTTGGTCACCCAGTCGCACCAGCCTCTGCTGCACCACAAACCCATTCTG
AAGCCTCTGATGATGTTGCTGAGCTCTTGTTCAGGAACAACCACCCCCACTGTGGAGGAGAAGCTGGTTG
TCCTACTCAATCAGCTCTGTTCCATTCTTGCCAAAGATCCATCCATTTTAGAACTCTTCTTCCACACTAG
TGAAGACCAAGGCGCTGCCAACTTCCTCATCTTCTCCCTTCTGATTCCCTTCATTCACCGAGAGGGGTCA
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GCATGAGGGACTGCCGTGTCTGGTCCGCCCTGTATGATGGCGACTCCCCCGACCCTGAGATGTTTCTCCA

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GAGTCTGACGGAGGAGGGCAGTGTGAGCTCGGCCTGCCCTGTGTTCGGGCTCCCGCAACAACTCCCCAGG
AAGACAGGACCTCAGCTGGCTCCCAGAAAGGACAAGAGCCAGACAGAGCTGGAATGGGATGACAGCTATG
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GTGCTACAAGATCTTGGGTGACTTTGAGGACTCCTGCTGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC226307 representing NM_001109977
Red=Cloning site Green=Tags(s)

MMSSVSTESKLQQAVSLQGVDPETCMIVFKNHWAQVVKILEKHDPLKNTQAKYGSIPPDEASAVQNYVEH
MLFLLIEEQAKDAAMGPILEFVVSENIMEKLFLWSLRREFTDETKIEQLKMYEMLVTQSHQPLLHHKPIL
KPLMMLLSSCSGTTTPTVEEKLVVLLNQLCSILAKDPSILELFFHTSEDQGAANFLIFSLLIPFIHREGS
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KTGPQLAPRKDKSQTELEWDDSYDTGISSGADVGSPGPYDDLEVSGPPAPIDPPKHIQEMKKNALLLFKG
SYIEESDFQDDVMVYRLCAEKDSEDMKDSQEEAARPPAEAQAEVQSVPINNGPLLSTQPETDSEEEWNRD
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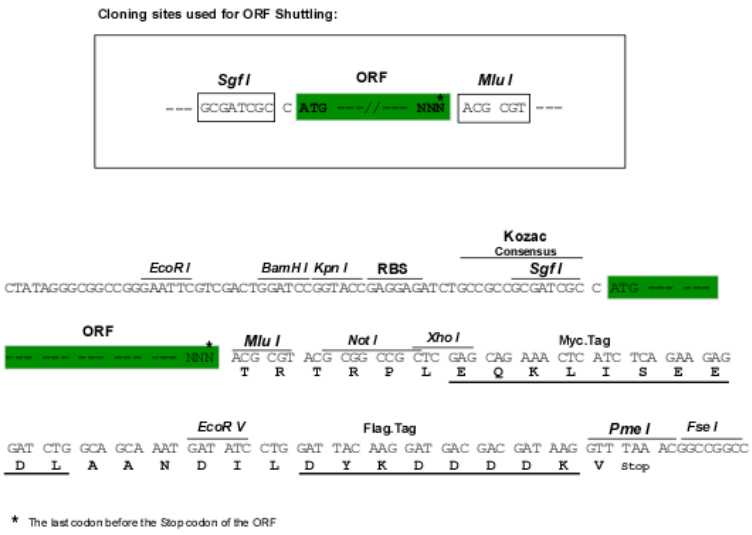
PVRTQSTPFTGPFISVVLSKLENMLENSLHVNLLLIGIITQLASYPQPLLRSFLLNTNMVFQPSVRSLYQ
VLASVKNKIEQFASVERDFPGLLIQAQQYLLFRVDMSDMTPAALTKDPIQEASRTGSGKNLLDGPPRVLQ
PFLTHRTKVAEAPPNLPLPVRNPMLAAALFPEFLKELAALAQEHSILCYKILGDFEDSCC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8033_d03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



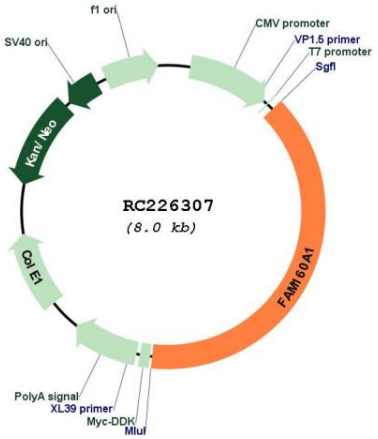
ACCN:	NM_001109977
ORF Size:	3120 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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.
RefSeq:	NM_001109977.3
RefSeq ORF:	3123 bp
Locus ID:	729830
UniProt ID:	Q05DH4

Cytogenetics: 4q31.3

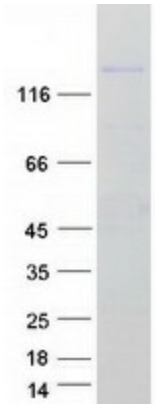
MW: 116.4 kDa

Gene Summary: Probable component of the FTS/Hook/FHIP complex (FHF complex) (PubMed:32073997). FHF complex promotes the distribution of AP-4 complex to the perinuclear area of the cell (PubMed:32073997).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC226307



Coomassie blue staining of purified FAM160A1 protein (Cat# [TP326307]). The protein was produced from HEK293T cells transfected with FAM160A1 cDNA clone (Cat# RC226307) using MegaTran 2.0 (Cat# [TT210002]).