

Product datasheet for **RC207956**

FAM70A (TMEM255A) (NM_017938) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM70A (TMEM255A) (NM_017938) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM70A
Synonyms:	FAM70A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207956 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCATCAGTCCCTGACTCAGCAGCGGTCCAGCGACATGTCCTGCCGATTCCATGGGAGCATTCAATC
GGAGGAAACGAACTCCATCTATGTCACCGTGACTTTGCTTATTGTGCCGTGTTAATTCTCACAGTGGG
CCTTGCTGCAACCACCAGGACCCAGAATGTGACTGTAGGAGGTTATTACCCGGAGTTATTCTCGGCTTT
GGATCGTTCCTTGAATCATTGGATCAAACCTTATTGAGAACAAAAGGCAGATGCTGGTGGCTTCTATCG
TGTTTATCAGCTTTGGTGTGATTGCGGCTTTTTGTTGTGCCATAGTTGACGGGTCTTTGCTGCCAGACA
CATTGATCTGAAACCACTCTACGCTAACCGGTGCCATTATGTTCCCAAGACATCACAGAAGGAAGCTGAG
GAGGTCATAAGTTCCTCAACCAAAAATTCTCCTCCACGAGGGTTATGAGGAACCTTACCAGGCAGCTA
GAGAGGTTAACTGCCCTCACCTCAGCCGTGAATTCTGCACACCTCGCATCCGGGGCAACCTGCTTCTG
CTGTGACCTCTACAACCTGTGGCAACCGGTGGAGATCACTGGTGGTACTACGAATACATCGATGTCAGC
AGTTGCCAAGATATCATCCACCTCTACCACCTGCTCTGGTCTGCCACCATCTCAACATTGTTGGCTGT
TCCTGGGCATCATCACTGCCGTGTCCTTGGAGGCTTTAAGGACATGAACCAACTCTCCAGCACTGAA
CTGTTCTGTTGAAAATACCCATCCAACAGTTTCTTACTATGCTCATCCCCAAGTGGCATCTACAATACC
TACTACCATAGCCCTCTCACCTGCCACCATATTCTGCTTATGACTTTCAGCATTCCGGTGTCTTTCCAT
CCTCCCCTCCCTCTGGACTTTCTGATGAGCCCCAGTCTGCCTCTCCCTCACCCAGCTACATGTGGTCCTC
AAGTGACCCGCCCGTACTCTCCACCCTACTATCCACCTTTTAAAAGCCACAACCTTACAGTCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC207956 protein sequence
Red=Cloning site Green=Tags(s)

MHQSLTQQRSSDMSLPDSMGAFNRRKRNSIYVTVTLIVSVLILTVGLAATTRTQNVTVGGYYPGVILGF
 GSFLGIIGSNLIENKRQMLVASIVFISFGVIAAFCCAIVDGVFAARHIDLKPLYANRCHYVPKTSQKEAE
 EVISSSTKNPSTRVMRNLTQAAREVNCPLSREFCTPRIRGNTCFCCDLYNCGRVEITGGYIEYIDVS
 SCQDIIHLYHLLWSATILNIVGLFLGIITAAVLGGFKDMNPTLPALNCSVENTHPTVSYAHQPQVASYNT
 YYHSPHLLPPYSAYDFQHSGVFPSSPPSGLSDEPQSASPSYMWSSAPPYRSPYPPFEKPPYSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6352_c11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017938

ORF Size: 1047 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_017938.2](#), [NP_060408.2](#)

RefSeq Size: 3512 bp

RefSeq ORF: 1050 bp

Locus ID: 55026

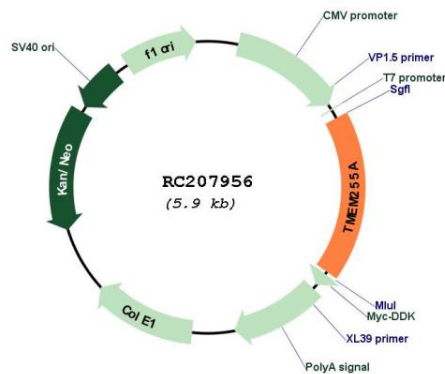
UniProt ID: [Q5JRV8](#)

Cytogenetics: Xq24

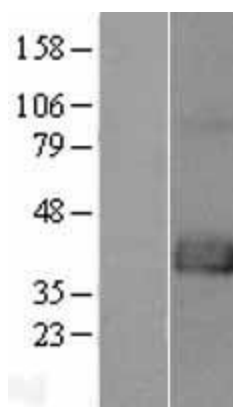
Protein Families: Transmembrane

MW: 38.5 kDa

Product images:



Circular map for RC207956



Western blot validation of overexpression lysate (Cat# [LY413424]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207956 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).