

Product datasheet for **RC231421**

FAM193B (NM_001190946) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM193B (NM_001190946) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM193B
Synonyms:	IRIZIO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

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>RC231421 representing NM_001190946
Red=Cloning site Blue=ORF Green=Tags(s)
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TTTTGTAATACGACTCACATATAGGGCGGCCGGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**

ATGACGCGGAGCGGAGCAGGCCGAGCGCGCGTGCGGGACGCGGAGCGGGCTCGGGCCGCGGGGCCG
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Protein Sequence: >RC231421 representing NM_001190946
 Red=Cloning site Green=Tags(s)

MTRRRSRPSGGAGRRERARAAGPQKPQAPPEPPPPPSLEAGAGAGPPEAPAEPDHDGPREDDEPNLVPGPQ
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 TPAAPFPAQASECPVAAATAPHTPGPCQSSHLPSTSMPLLMPPPFSGCSHPCSGHCGGHC SGPLPPPS
 SQPLPSTHRDPGCKGHKFAHSGLACQLPQPCEADEGLGEEEDSSSERSSCTSSSTHQRDGKFCDCCYCEF
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 RGPHPWPTEVRGPPPGIVPENGLVRR LNTV PNL SRVIWVKTPKPGYPSSEEPSSKEVP SCKQELPEPVSS
 GGKPQKGKRQGSQAKKSEASPAPRPASLEVPSAKGVAGPKQPGRVLELPKVGSCAEAGEGSRGSRPGP
 GWAGSPKTEKEKGSSWRNWPGEAKARPQEESVQPSGPARPQSLPQGGRSRRSRNKQEKPASSLDDVFL
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8107_c05.zip

Restriction Sites: Sgfi-MluI

Cloning Scheme:



ACCN:	NM_001190946
ORF Size:	2466 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_001190946.3

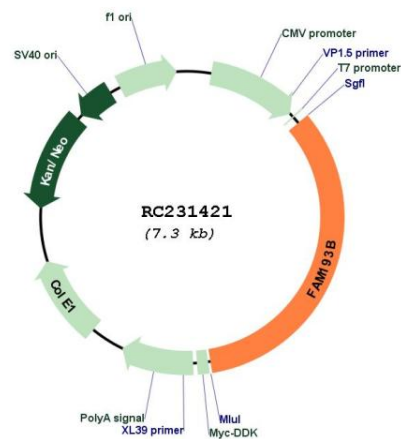
RefSeq ORF: 2469 bp

Locus ID: 54540

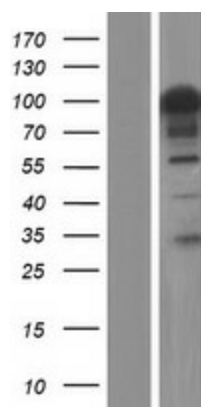
Cytogenetics: 5q35.3

MW: 88 kDa

Product images:



Circular map for RC231421



Western blot validation of overexpression lysate (Cat# [LY434420]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC231421 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).