

Product datasheet for **RC223620**

FAM153B (NM_001079529) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM153B (NM_001079529) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM153B
Synonyms:	DKFZp434D115
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223620 representing NM_001079529 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGGATGTGCTTATAGTTGTTGCCTCGAAGTGTGTTGTGGCGAGGATGAAATAGTGTATCCTAGGATGC
 CAGGGGAATCCACCGTCTGCCACCGCGAGCGTGAGAAGCCAATCACCTATCACTGGTATCACTGGCATCC
 CGGCCATATATACCCTAGAGTTGCATCAATGGAAGATTACGATGAGGACCTGGTGCAGGAAGCTTCATCT
 GAAGATGTCCTGGCGTTCATATGGTGGACAAAGACACAGAGAGAGACATTGAGATGAAACGGCAACTAC
 GCGGACTACGGGAGCTCCACCTATACAGCACATGGAAGAAGTACCAAGAGGCGATGAAGACATCCTTGGG
 AGTTCCACAATGTGAGCGTGACGAAGGCTCCTTGGGCAAGCCATTGTGTCCACCCGAGATACTCTCGGAG
 ACGTTGCCAGGCTCTGTGAAGAAAAGGGTATGCTTTCCATCAGAAGATCATCTAGAGGAGTTTATAGCAG
 AACATCTCCCTGAAGCATCCAATCAGAGTCTCCTCACTGTTGCCATGCAGACACAGGCATCCAAACCAA
 CGGTGACCTGGAAGACCTGGAGGAGCATGGGCCAGGGCAGACAGTCTCTGAGGAAGCCACAGAAGTTCAC
 ATGATGGAGGGGGACCCAGACACACTGGCCGAACCTCTGATCAGGGATGTAATTCAGGAGCTGTCCAGTT
 ACAACGGCGAGGAGGAGGACCCAGAGGAGGTGAAGACATCCTTGGGAGTTCCACAACGTGGTGACCTGGA
 AGACCTGGAGGAGCATGTGCCAGGGCAGACAGTCTCTGAGGAAGCCACAGGGGTTACATGATGCAGGTG
 GACCCAGCCACGCCGGCAAAGAGTGACCTGGAAGACCTGGAGGAGCATGTGCCAGGGCAGACAGTCTCTG
 AGGAAGCCACAGGGGTTACATGATGCAGGTGGACCCAGCCACACTGGCAAAGCAATTGGAAGACTCCAC
 CATTACAGGCAGCCACCAGCAGATGTCAGCAAGTCCTTCTCTGCACCTGCAGAAGAAGCAACAGAAAAG
 ACCAAAGTGGAAGAGGAAGTAAAACAGAAAGCCCAAGAAGAAAACAGGAAGCCAGCAAGAAAAGCC
 GGTGGAATGTCCTGAAATGTTGGACATTTTAAATATATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC223620 representing NM_001079529
 Red=Cloning site Green=Tags(s)

MGCAYSCCLEVCCGEDEIVYPRMPGESTVCHREREKPIYHWHWHPGHIYPRVASMEDYDEDLVQEASS
 EDVLGVHMDKTERDIEMKRQLRRLRELHLYSTWKYQEAMKTSLGVPQCERDEGLGKPLCPPEILSE
 TLPGSVKKRVCFPSEDHLEEFIAEHLPEASNQSLTVAHADTGIQTNGDLEDLEEHGPGQTVSEEATEVH
 MMEGDPDTLAEELLIRDVLQELSSYNGEEEDPEEVKTSLGVPQRGDLEDLEEHVPGQTVSEEATGVHMMQV
 DPATPAKSDLEDLEEHVPGQTVSEEATGVHMMQVDPATLAKQLEDSTITGSHQMSASPSSAPAEATEK
 TKVEEEVKTRPKKKTRKPSKKSRRNVNLCWDIFNIF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8046_g03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001079529

ORF Size: 1161 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_001079529.2](#), [NP_001072997.2](#)

RefSeq Size: 2096 bp

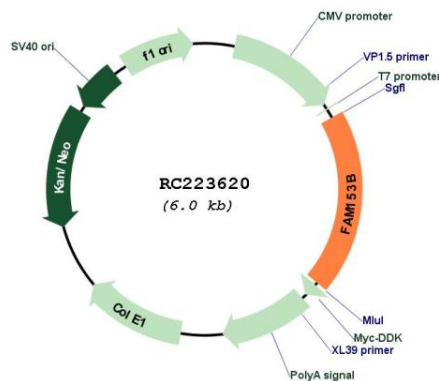
RefSeq ORF: 1163 bp

Locus ID: 202134

Cytogenetics: 5q35.2

MW: 43.4 kDa

Product images:



Circular map for RC223620