

Product datasheet for MR213531

Fam170b (NM_001164485) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Fam170b (NM_001164485) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Fam170b
 Synonyms: 4922501K12Rik; AI449756
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR213531 representing NM_001164485
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAACACCATCTCATTGAGCATAGGGGAGAACAGACACCTGGGACCGCCGTGGGCATGGCCAGCCCAG
 ACGCCGAGAGGAGAGCACAGGAGTGTCTGGCCAGGTGGGGCCATGAGGAGGAATGAGTCATCTCCGCG
 GCCAGGGCCTGCCTTCTCCCTGACGATGACATCTACTTGGCAGCCCGGGCACAGGGGTGCTGGGTTGG
 AGCAGCTCTCCATCATCCAGTCGTCTCCGAGTATCAGTCTACTCTCAGTACCAGTCTGGGACTCCA
 GCAAATCTGAGGAGCAGCAGGAGACTCCACCTGAGAGCGTGTGCGCCCTGTATACCCACGTGCAGACTGT
 GCGCGCGTGGCAGTGGCTTGGGAGACTGATGATGGCTTTGAGCCAGTACCAGGAAGCCCTTATCCGG
 GAGGCTGAGTTCAAGCGTCAGCGGGGAAAGGCTCCTCCTTTGAGATGGCCTCCAACACAGACCTGC
 GCTGGGAGCTGGAAGACTGCAAGCACTACTGCCCGAGACTGAGGACCCTGTGGACTGCTGCATGCAGGA
 GCTACGAGCACCACCAGACTGGCTGGTCAACCAACCATGGCTTGGCGTGTGTGGCCTGCTGCAGAGTC
 TTCCCTACGCTGGAGGCTCTGCTGGACCAGCCCAGCATGGCATCCAAGATGGCTTACGTGCCAAATAT
 TCTTCGAGGAGATGCTGGAAGGAAGCGGACCCGGGATCAAAGCAGGACCAACAGCCTGTAGAAGAGGA
 GCAGAGCCTTTCGGACAGTAGTGAATGTACCAGGCTCCTAACCAAGGTGCTTCCCTGGCAGCAGCAGCCG
 CAGCAGCAGCCGAGGCAACAGAAGCAGCAGCAGCAGCAACAGCAGAAGCAGCGGAGCAGGAGCAGC
 AGCAACATCAACAGCAGCAGCAGCAGCCGAGCCACTGAAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCC
 ATTGCAGCCGAGCCACTGAAGCAGCAGCCGTTGCAGCCGTTGCAGCCGAGCCGAGCCACAGCCACAG
 AAGCAGCAGAAAGGCAGCAGCAGGAGCAGCAGCCACCGCGACAGCAGCAGAAACAACAGCCACTGC
 AGCAACAGGAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR213531 representing NM_001164485
Red=Cloning site Green=Tags(s)

MKHHLEIHRGEQTPGTAVGMASPDAAEESTGVCWPGGAMRRNESSPRPGPAFLPDDDIYLAARAQVGLGW
 SSSPSSQSSSEYQSYSQYQSWDSSKSEEQETPPESVCALYTHVQTVRGVAVAWETDDGFEPVTRKPLIR
 EAEFIKRQRRKGSSEFEMASNTDLRWELEDCKHYCPQTEDPVDCMQELRAPPDWLVTTNHGLRVCACRV
 FPTLEALLDHAHQGIQDGFSCQIFFEMLERKRTRDQKQDQQPVEEQSLSDSSECTRLTKVLPWQQQP
 QQQPQEQQKQQQQQQKQRQEQEQQHQQQQQQPQPLKQQQQQQQQPQPQLKQQPLQPLQPLQPLQPLQ
 KQQRQQRQQQPPRQQKQQPLQQQK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001164485

ORF Size: 1134 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_001164485.1](#), [NP_001157957.1](#)

RefSeq Size: 1694 bp

RefSeq ORF: 1137 bp

Locus ID: 105511

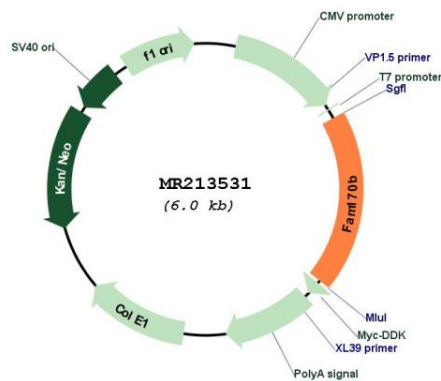
UniProt ID: [E9PXT9](#)

Cytogenetics: 14 B

MW: 43.8 kDa

Gene Summary: Plays a role in fertilization through the acrosome reaction.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR213531