

Product datasheet for **MG213531**

Fam170b (NM_001164485) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam170b (NM_001164485) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fam170b
Synonyms:	4922501K12Rik; AI449756
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG213531 representing NM_001164485 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAACACCATCTCATTGAGCATAGGGGAGAACAGACACCTGGGACCGCCGTGGGCATGGCCAGCCCAG
ACGCCGAGAGGAGAGCACAGGAGTGTCTGGCCAGGTGGGGCCATGAGGAGGAATGAGTCATCTCCGCG
GCCAGGGCCTGCCTTCTCCCTGACGATGACATCTACTTGGCAGCCCGGGCACAGGGGTGCTGGGTTGG
AGCAGCTCTCCATCATCCAGTCGTCTCCGAGTATCAGTCTACTCTCAGTACCAGTCTGGGACTCCA
GCAAATCTGAGGAGCAGCAGGAGACTCCACCTGAGAGCGTGTGCGCCCTGTATACCCACGTGCAGACTGT
GCGCGGCGTGGCAGTGGCTTGGGAGACTGATGATGGCTTTGAGCCAGTACCAGGAAGCCCTTATCCGG
GAGGCTGAGTTCATCAAGCGTCAGCGGGCGAAAGGCTCCTCCTTTGAGATGGCCTCCAACACAGACCTGC
GCTGGGAGCTGGAAGACTGCAAGCACTACTGCCCGCAGACTGAGGACCCTGTGGACTGCTGCATGCAGGA
GCTACGAGCACCACCAGACTGGCTGGTCACCACCAACCATGGCTTGGCGTGTGTGGCCTGCTGCAGAGTC
TTCCCTACGCTGGAGGCTCTGCTGGACCACGCCAGCATGGCATCCAAGATGGCTTACGTGCCAAATAT
TCTTCGAGGAGATGCTGGAAAGGAAGCGGACCCGGGATCAAAGCAGGACCAACAGCCTGTAGAAGAGGA
GCAGAGCCTTTCGGACAGTAGTGAATGTACCAGGCTCCTAACCAAGGTGCTTCCCTGGCAGCAGCAGCCG
CAGCAGCAGCCGAGGCAACAGAAGCAGCAGCAGCAACAGCAGAGAAGCAGCGGCAGCAGGAGCAGC
AGCAACATCAACAGCAGCAGCAGCAGCCGAGCCACTGAAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCC
ATTGCAGCCGAGCCACTGAAGCAGCAGCCGTTGCAGCCGTTGCAGCCGAGCCGAGCCACAGCCACAG
AAGCAGCAGAAAGGCAGCAGCAGGAGCAGCAGCCACCGCGACAGCAGCAGAAAACAACAGCCACTGC
AGCAACAGGAAAG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG213531 representing NM_001164485
 Red=Cloning site Green=Tags(s)

MKHHLIEHRGEQTPGTAVGMASPDAAEESTGVCWPGGAMRRNESSPRPGPAFLPDDDIYLAARAQVGLGW
 SSSPSSQSSEYQSYSQYQSWDSSKSEEQQETPPESVCALYTHVQTVRGVAVAWETDDGFEPVTRKPLIR
 EAEFIKRQRRKGSSEFEMASNTDLRWELEDCKHYCPQTEDPVDCMQELRAPPDWLVTNNHGLRVCACCRV
 FPTLEALLDHAHQHGIQDGFSCQIFFEEMLERKTRDQKQDQQPVEEEQSLSDSSECTRLLLTKVLPWQQQP
 QQQPQEQQKQQQQQQKQRQEQQQHQQQQQQPQLKQQQQQQQPQLQPQLKQQPLQPLQPQPQPQPQ
 KQQQRQQQRQQPPRQQKQQPLQQQK

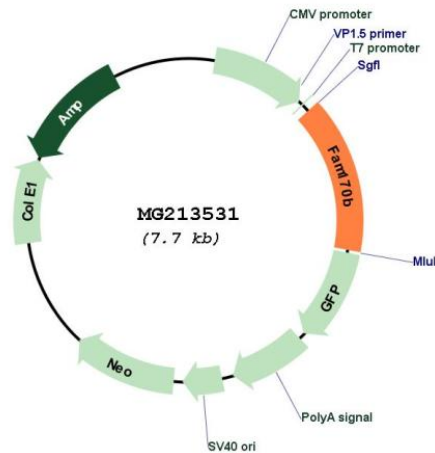
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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
Gene Summary:	Plays a role in fertilization through the acrosome reaction.[UniProtKB/Swiss-Prot Function]