

Product datasheet for **RG204305**

FAM70B (TMEM255B) (NM_182614) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM70B (TMEM255B) (NM_182614) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM70B
Synonyms:	FAM70B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204305 representing NM_182614 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCCGCGGTGCCGGCCCTGGGCTGCTGGACCCCGCAGAAGGGCTTTCGAGGAGGAAGAAGA
CGTCGCTCTGGTTTGTGGGGTCTCTGCTGCTGGTGTCCGTCCTCATAGTCACCGTCGGGCTGGCTGCCAC
CACCAGGACGGAGAATGTGACCGTTGGGGGCTACTACCCAGGGATCATTCTGGCTTTGGATCTTTCTTA
GGAATTATTGGCATCACTTGGTGGAGAATAGAAGGCAAATGCTGGTGGCAGCGATCGTGTATATCAGTT
TTGGCGTGGTGGCCGCTTCTGCTGCGCCATCGTGGACGGCGTATTTGCAGCACAGCACATTGAACCGAG
GCCCTCACACGGAAGATGCCAGTTTTACTCCAGTGGGGTGGGACTTGTACGATGTCTACCAGACA
GAGGTCACCTGTCACTCCCTGGACGGCAAGTGCCAGCTGAAGGTGAGAAGCAACCTGTTACTGCTGTG
ACCTCTATGCCTGCGGGAGCGCAGAGCCCTCGCCCGCCTACTATGAGTTCATCGGCGTCAGCGGCTGCCA
GGACGTGCTGCACCTGTACCGCCTGCTCTGGGCTCTGCAGTTCTGAACGTCCTGGGCTGTTCTGGGC
ATCATCACCGCCCGCTCCTGGGGGCTTCAAGGACATGGTGCCTCTGTCCAGCTGGCCTATGGCCAG
CCGTCCCACACAGACCTCTACAACCCCGCCAGCAGATCCTGGCCTACGCAGGCTTCCGCTGACGCC
CGAGCCCGTCCCAGCTGCTCGTCTACCTCTGCCCCCTCAGCCCTGCAGCCGCTTCCCAGTTGCGCCC
TCCTCTGCCCTGGCTTCTGCTGAGGACCTGCAGCCCCCTTCCAAGCAGCTCTGGCTCTGGGCTTCCC
GCCAGGCTCCACCGTGTACGCACCCACCTACTTCCCCGGGGGAGAAGCCACCCCTACGCACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204305 representing NM_182614
 Red=Cloning site Green=Tags(s)

MQPPVPGPLGLLDPAEGLSRRKKTSLWVGSLLLVSVLIVTVGLAATTRTENVTGGYYPGIILGFGSFL
 GIIGINLVENRRQMLVAAIVFISFGVAAFCCAIVDGVFAAQHIEPRPLTTGRCQFYSSGVGYLYDVYQT
 EVTCHSLDGKCKLKVRSNTCYCCDLIYACGSAEPSPAYYEFIGVSGCQDVLHLYRLLWASAVLNLGLFLG
 IITAAVLGAFKDMVPLSQLAYGPAVPPQTLYNPAQQILAYAGFRLTPEVPVPTCSSYPLPLQPCSRFPVAP
 SSALASSEDLQPPSPSSSGSGLPGQAPPCYPTYFPPGEKPPPYAP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_182614

ORF Size: 978 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_182614.4](#)

RefSeq Size: 1047 bp

RefSeq ORF: 981 bp

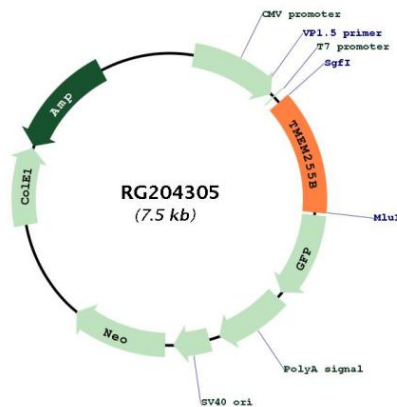
Locus ID: 348013

UniProt ID: [Q8WW15](#)

Cytogenetics: 13q34

Protein Families: Transmembrane

Product images:



Circular map for RG204305