

Product datasheet for **RG223620**

FAM153B (NM_001079529) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM153B (NM_001079529) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM153B
Synonyms:	DKFZp434D115
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223620 representing NM_001079529 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGGATGTGCTTATAGTTGTTGCCTCGAAGTGTGTTGTGGCGAGGATGAAATAGTGTATCCTAGGATGC
CAGGGGAATCCACCGTCTGCCACCGCGAGCGTGAGAAGCCAATCACCTATCACTGGTATCACTGGCATCC
CGGCCATATATACCTAGAGTTGCATCAATGGAAGATTACGATGAGGACCTGGTGCAGGAAGCTTCATCT
GAAGATGTCCTGGGCGTTCATATGGTGGACAAAGACACAGAGAGAGACATTGAGATGAAACGGCAACTAC
GGCGACTACGGGAGCTCCACCTATACAGCACATGGAAGAAGTACCAAGAGGCGATGAAGACATCCTTGGG
AGTTCCACAATGTGAGCGTGACGAAGGCTCCTTGGGCAAGCCATTGTGTCCACCCGAGATACTCTCGGAG
ACGTTGCCAGGCTCTGTGAAGAAAAGGGTATGCTTTCCATCAGAAGATCATCTAGAGGAGTTTATAGCAG
AACATCTCCCTGAAGCATCCAATCAGAGTCTCCTCACTGTTGCCATGCAGACACAGGCATCCAAACCAA
CGGTGACCTGGAAGACCTGGAGGAGCATGGGCCAGGGCAGACAGTCTCTGAGGAAGCCACAGAAGTTCAC
ATGATGGAGGGGGACCCAGACACACTGGCCGAACCTCTGATCAGGGATGTAATTCAGGAGCTGTCCAGTT
ACAACGGCGAGGAGGAGGACCCAGAGGAGGTGAAGACATCCTTGGGAGTTCCACAACGTGGTGACCTGGA
AGACCTGGAGGAGCATGTGCCAGGGCAGACAGTCTCTGAGGAAGCCACAGGGGTTACATGATGCAGGTG
GACCCAGCCACGCCGCAAGAGTGACCTGGAAGACCTGGAGGAGCATGTGCCAGGGCAGACAGTCTCTG
AGGAAGCCACAGGGGTTACATGATGCAGGTGGACCCAGCCACACTGGCAAAGCAATTGGAAGACTCCAC
CATTACAGGCAGCCACCAGCAGATGTCAGCAAGTCTTCTCTGCACCTGCAGAAGAAGCAACAGAAAAG
ACCAAAGTGGAAGAGGAAGTGAAGAACGAAAGCCCAAGAAGAAAACAGGAAGCCAGCAAGAAAAGCC
GGTGAATGTCCTGAAATGTTGGACATTTTAAATATATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG223620 representing NM_001079529
 Red=Cloning site Green=Tags(s)

MGCAYSCCLEVCCGEDEIVYPRMPGESTVCHREREKPIYHWYHWPBGHIYPRVASMEDYDEDLVQEASS
 EDVLGVHMDKTERDIEMKRQLRRLRELHLYSTWKYQEAMKTSLGVPQCERDEGSLGKPLCPPEILSE
 TLPGSVKKRVCFPSEDHLEEFIAEHLPEASNQSLTVAHADTGIQTNGDLEDLEEHGPGQTVSEEATEVH
 MMEGDPDTLAELLIRDVLQELSSYNGEEDPEEVKTSLGVPQRGDLEDLEEHVPGQTVSEEATGVHMMQV
 DPATPAKSDLEDLEEHVPGQTVSEEATGVHMMQVDPATLAKQLEDSTITGSHQMSASPSSAPAEATEK
 TKVEEEVKTRKPKKKTRKPSKKSRRWNVLKCWDIFNIF

TRTRPLE – GFP Tag – V

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.

RefSeq: NM_001079529.2, NP_001072997.2

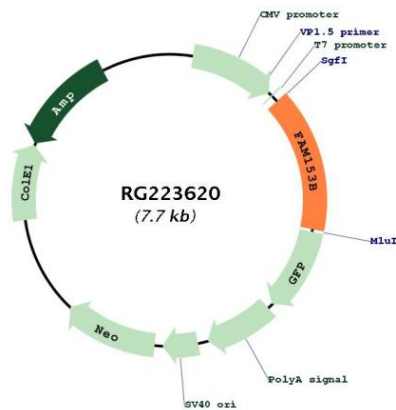
RefSeq Size: 2096 bp

RefSeq ORF: 1163 bp

Locus ID: 202134

Cytogenetics: 5q35.2

Product images:



Circular map for RG223620