

Product datasheet for **RG238906**

FAM222B (NM_001288635) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM222B (NM_001288635) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM222B
Synonyms:	C17orf63
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238906 representing NM_001288635.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCTAGCCTGTCTACCAGGGCCAGGTGACCTGTCTTTTCTCACACGCAGATGAACACT
GGACTTCAGAAATGGGACACTACACAGAAAATGAGAAGTCTACTATCCTACCCAGCCGAATTGGAT
GGGTATGCTAAGAAGGTCGAAACAACCCACTGACTATAAAAATCTTCCCAACAGTGTGAAGTTCCC
CAGCGGAAACACGTTTCGTCTACTGTGAACGGCCTCGACACATCAGCCCAGCGCTACAGCCCTACCCG
ACACAGGCTGCCACCAAGGCAGGCTGCTTGCATTGTCAAAGTGCCAGCCAAAAGCATACTCAAGGAC
TTTGACGGCACCCGAGCCGGTTGCTCCCTGAGGCCATCATGAACCCCCAGTGGCACCCTATGCTACT
GTGGCACCCAGCACTTTAGCCACCCAGGCCAGGCTCTGGCCCGCCAGCAGGCCCTGCAGCATGCA
CAGACCCTGGCCATGCCCTCCCAGACGCTGCAGCACCCCTCAGGGTATCCCGCACCCAGGCACTG
TCCCACCCTCAGAGCCTCCAGCAGCCTCAGGGCCTGGGCCACCCTCAGCCATGGCCAAACCCAGGGC
TTGGTCCACCCTCAGGCCCTGGCTCACCAGGGTCTCCAGCACCCCAATCCCTTGTGCATGGAGGC
CGGAAGATGCCAGACTCAGATGCCCCCCGAATGTGACCGTGTCTACCTCAACTATCCCCCTTTCAATG
GCGGCCACTCTGCAGCACAGCCAGCCTCCGGACCTGAGTAGCATCGTGCACCAGATCAACCAGTTTTGC
CAGACGAGGGCAGGCATCAGCACTACCTCAGTGTGTGAGGGCCAGATCGCCAACCCAGCCCATAGT
CGCAGTCTGCTCATCAATGCAAGCACCCGGGTGTCGACCCACAGCGTCCCACACCAATGCCTTCATGT
GTGGTCAATCCCATGGAGCACACCCACGCGGCCACCGCCGCTTGCCTGCTGCAGTCTGTCAACCTG
CCCACAGGCATCTCTCGGTCCCCTAGGCTACCTAGCGACCTCAAGCCAGTCACTGGAACAGCAC
CAGCTGGCCACCTACAGCAGATGTGCAGCGAGGCTAGTGGGACGCCAGCCCTGGCCTGACAGGCAAG
CATGCGGCAGGACGCGAGTTGGCAGGGCCTGGCTTTGTGGGCAAGGCCCTGCCTACCCGACAGAACTC
TGCTGGCGCAGTCTTCCATCTGAAGCCACCCTGGAAAAGCCGACCCATCCCACAGTCAACGGC
ATGGCAGCCCATTTGGCTACCCCAATGGTCACTACTTCCAACCCTGTGGAACAACATTCTGCCACT
CCCAATAGCGACAGCTCGGGTCTCAGGACCTTGCATGCCGTTCCACGGTGGGAGCCACAGGTGCA
CCCCTCGACTGTGCGGACGCTCCCGGGGCCACTACCGAGCAGGGACCGGGGGCGGTCCAGTGGCAAGC
CAGAACAGCTTGATGCAAACAGTGGATTACCTAAGTGGGATTTCCAACAGGCTGCTTCCGAGAACAG
AGCCTGGCCATGCTGAGCAAGGCCACCGAGCCCTGGCAACCGAGCCCCGATCCCACAGAGAGTCGA
AGTCTTCATATTCAGCACCCAGGTATAGA
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTAAAC
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Protein Sequence:

>Peptide sequence encoded by RG238906
 Blue=ORF Red=Cloning site Green=Tag(s)

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MLACLPGPDL SFQLLSHTQMNTGLQKWDTTQKMRTAHYPTPAELDAYAKKVANNPLTIKIFPNSVKVP
QRKHVRRTVNGLDTSAQRYSPYPTQAATKAGLLAIVKVPKAKSILKDFDGTARLLPEAIMNPPVAPYAT
VAPSTLAHPQAQALARQALQHAQTLAHAPPQTLQHPQGIPPPQALSHPQSLQPPQGLGHPQPMATQG
LVHPQALAHQGLQHPHNPLLHGGRKMPDSDAPPNVTVSTIPLSMAATLQHSQPPDLSSIVHQINQFC
QTRAGISTTSVCEGQIANPSPISRSLLINASTRVSTHSVPTPMPSCVVPMEHTHAATAALPAAGPVNL
PTGISRVPTGYPSDLKPVTWNQHLAHLQMCSEASGTPAPGLTGKHAAGRELAGPFGVGPAPYQEL
CLAQSFHLKPPLEKPTSPVNGMAAPLAYPNGHYFQPLWNNILPTNSDSSGSQDLAMPFHGGQPTGA
PLDCAAAPGAHYRAGTGGGPVASQNSLMQTVDYLSGDFQQACFREQSLAML SKAHRAPGNRAPDPTESR
SLHIQHPGYR
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHP SILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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Restriction Sites:

SgfI-MluI

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).
RefSeq:	NM_001288635.2
RefSeq Size:	4227 bp
RefSeq ORF:	1689 bp
Locus ID:	55731
UniProt ID:	Q8WU58
Cytogenetics:	17q11.2
MW:	59.7 kDa