

Product datasheet for **RG207292**

FMR1NB (NM_152578) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FMR1NB (NM_152578) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FMR1NB
Synonyms:	CT37; NY-SAR-35; NYSAR35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207292 representing NM_152578 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTTCACATAGGAGGAAAGCGAAGGGGAGGAATAGGAGAAGTCACCGTGCCATGCGTGTGGCTCACT
TAGAGCTGGCAACTTATGAGTTGGCGGCAACTGAGTCGAATCCCGAGAGCAGCCATCCTGGATACGAGGC
CGCCATGGCTGACAGGCCTCAGCCAGGATGGCGGGAATCTCTAAAGATGCGGGTCAGCAAACCCCTTTGGG
ATGCTCATGCTCTCCATTTGGATCCTGCTGTTCTGTGCTACTACCTGTCCTACTACCTGTGCTCCGGGT
CCTCATATTTTGCTTGCAAATGGACATATCCTGCCAACAGTAAAAATGCTCATGGCCAATCTCTGGA
AGAAGATTCCGCATTGGAAGCTTTGCTGAATTTTTCTTTCCAACAACCTGCAATCTGAGGGAAAAATCAG
GTGGCAAAGCCTTGAATGAGCTGCAAGATCTTAGTGAGAGTGAATGTTTGAGACACAAATGCTGTTTTT
CATCATCGGGGACCACGAGCTTCAAATGTTTTGCTCCATTTAGAGATGTGCCATAACAGATGATGCAAAAT
GTTTGGGCTTGGTGCGATCAGCCTTATCCTGGTATGTCTGCCATTTATTGCCGCTCTTTTTCTGGAGG
AGCGAACC GGCCGATGATTTACAAAGGCAGGACAACAGAGTTGTAAACGGGTTTGAAGAAACAAAGAAGGA
AGCGAAAGAGGAAGTCTGAAATGTTACAGAAAGCAGCAAGAGGACGTGAGGAACATGGTGACGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207292 representing NM_152578
 Red=Cloning site Green=Tags(s)

MSSHRRKAKGRNRRSHRAMRVAHLELATYELAATESNPESHHPGYEAAMADRPQPGWRESLKMRVSKPFG
 MLMLSIWILLFVCYYLSYYLCSSSYFVLANGHILPNSENAHGQSLSEEDSALEALLNFFPPTCNLRENQ
 VAKPCNELQDLSESECLRHKCCFSSSGTTSFKCFAPFRDVPKQMMQMFGLGAI SLILVCLPIYCRSLFWR
 SEPADDLQRQDNRVVTGLKKQRRKRKRKSEMLQKAARGREEHGDE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152578

ORF Size: 765 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_152578.3](#)

RefSeq Size: 1030 bp

RefSeq ORF: 768 bp

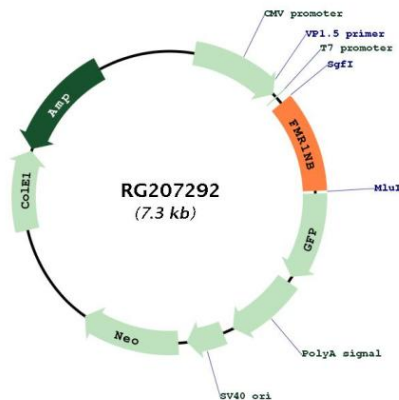
Locus ID: 158521

UniProt ID: [Q8N0W7](#)

Cytogenetics: Xq27.3-q28

Protein Families: Transmembrane

Product images:



Circular map for RG207292