

Product datasheet for **RG211768**

FRMD7 (NM_194277) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	FRMD7
Synonyms:	NYS; NYS1; XIPAN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG211768 representing NM_194277
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTACATTTAAAGTGCAGTTTTTGGATGATTCCAGAAAGATTTTGTGGTTGATCAAAAGTCATCCG
 GGAAGGCATTGTTTAACCTGAGTTGCAGCCATCTAAATCTTGCTGAAAAGGAATATTTTGGATTAGAATT
 CTGCAGCCATTCTGGAATAATGTTTGGCTGGAGCTTTTGAAGCCCATACAAAGCAGGTAAAAATCCT
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 GAGTTGCCAGCAGTTCTAATGGATCAAAGTACAGCAGAAAGGTATGTAGCTAGTGAATCCAGTGATTCTG
 AATCAGAGATTCTTAAACCAGACTACTATGCTTTGTATGGCAAAGAAATAAGGTACCCATGGCCAGAAT
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

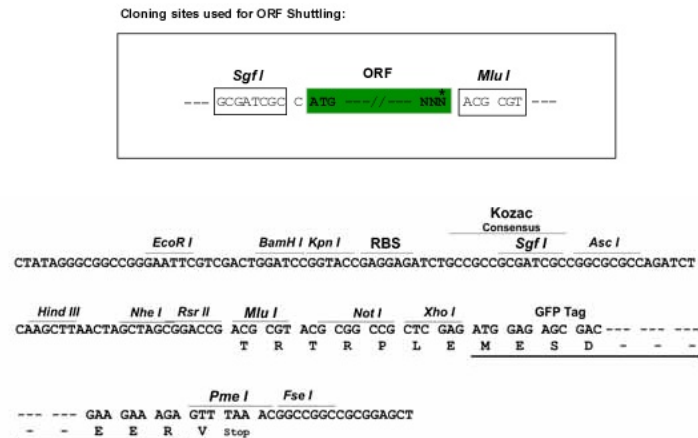
Protein Sequence: >RG211768 representing NM_194277
 Red=Cloning site Green=Tags(s)

MLHLKVQLDSDSQKIFVVDQKSSGKALFNLSCSHLNLAKEYFGLFCSHSGNNVWLELLKPITKQVKNP
 KEIVFKFMVKFFPVDPGHLREELTRYLFTLQIKDLALGRLPCSDNCTALMVSHILQSELGDFHEETDRK
 HLAQTRYLPNQDLEGGIMHFKHIGRSPAESDILLLDIARKLDMYGIIRPHASDGEQMIIHLAVAHMG
 VLVLRGNTKINTFNWAKIRKLSFKRKHFLIKLHANILVLCKDLEFTMASRDACKAFWKTCVEYHAFRL
 SEEPKSKPKTLLCSKGSSFRYSRGTQRQLLEYGRKGRLKSLPFERKHYPYQYHERQCRSSPDLLSDVSKQ
 VEDLRLAYGGGYQNVNGVHASEPVLSESRNRNSALEVTFATELEHSPKPEADPTLLHQSSSSFFPIYMD
 PVFNTEPNPNPDPRDIFSERSSLSFQTSCKFSGNHMSIYSLTSKVRPAKQLTYTDVPIYIPCTGQQVGI
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 SNINVGLEEDPNLEDAFVNIQEQTPKRSQSQSDMKTIRFPFGSEFRPLGPCPALSHKADLFTDMFAEQ
 ELPVAVLMDQSTAERYVASESSDSESEILKPDYALYGKEIRSPMARIRLSSGSLQLDEEDEDAYFNTPTA
 EDRTSLKPCNYFLA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_194277

ORF Size: 2142 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:

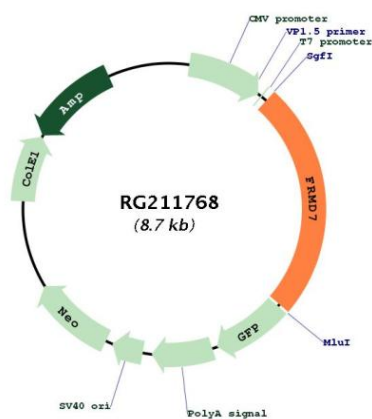
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_194277.3](#)

RefSeq Size:	3200 bp
RefSeq ORF:	2145 bp
Locus ID:	90167
UniProt ID:	Q6ZUT3
Cytogenetics:	Xq26.2
Gene Summary:	Mutations in this gene are associated with X-linked congenital nystagmus. [provided by RefSeq, Dec 2008]

Product images:



Circular map for RG211768