

Product datasheet for **RG222908**

PPP2R3B (NM_013239) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R3B (NM_013239) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP2R3B
Synonyms:	NYREN8; PPP2R3L; PPP2R3LY; PR48; PR70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG222908 representing NM_013239
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCCCCGGCAAAGTCTGCAGCCGGTCTGAAGATGAAGGTGGACGAGCTGTTCTGTACTGGCTCA
 GCGAGGCCAGCACGCAGCGGATGCTGCAGGACTGCCTGCCCGGATCAAGGCGCCGGGGCGGACCAGCC
 GACCCCGGGGACGGGGAGCAGCCCGGGCCTGGCCACAGCCCGCTCGCCGCCCCCGGCCAGCGGG
 CTGAACCCCGGGAACCCCGGGCCGGCCCTGCGCTGCCCTGGGCGCCGCTCCAGCCCCAGGAACG
 CGCCACGTTTCGAGGCACCCGTAGATCCGCAGGGACGAGAGTAGTTAGACACGAAAGAAGAGCCTCT
 GCCCCCGGCCAGAGCCAAAGCATTCCGACCTTCTACTTCCCAGAGGACGCCCGCAGGACTCCGTCAAC
 GTGGATGCCGTATCAGCAAGATCGAGAGCACCTTCGCCCGTTCGCCACGAGAGGGCCACCATGGATG
 ACATGGGCTGGTGGCAAGGCCTGCGGCTGCCCTTCTACTGGAAGGGCCGCTTCTATGGCGCCGG
 CGGGAGCGCACGGCTCCGTGTCGTCACAAGTTCGTCGCCATGTGGAGAAAAATCTCCAGAAGTGC
 CAGCAGCAGCGGCCAAGTTCGTCCATCTGCTCATGAGCCCGGCTGCAACTACCTGGTGCAGGAGGACT
 TTGTCCTTCTTGCAGGACGTGGTGAACACGCACCCGGGGTGTGCTTCTGAAGGAGGCGTCCGAGTT
 CCACTCGCGTACATCACCACGGTATCCAGCGGATCTTCTACGCCGTGAACCGTCTGGTCCGGCAGG
 ATCACCTGCGCCGAGCTGCGGAGGAGCTCTTCTGCAGAATGTGGCGTCTGGAGGAGGAGGCGGACA
 TCAACCAGCTGACCGAATTCTTCTCGTACGAGCATTCTACGTACTACTGCAAGTTCTGGGAGCTGGA
 CACGGACCAGCAGCTGCTCATCGACGGGACGACTGGCGCGGCAATGACCACGCCCTTCTACCAAG
 ATGATAGACAGGATCTTCTCAGGAGCAGTCACACGAGGCAGAAAAGTGCAGAAGGAAGGGAAGATCAGT
 ATGCCGACTTTGTCTGGTTTTTGATCTCTGAGGAAGACAAAAAACACCGACCAGCATCGAGTACTGGTT
 CCGCTGCATGGACCTGGACGGGGACGGCCCTGTCCATGTTTCGAGCTCGAGTACTTCTACGAGGAGCAG
 TGCCGAAGGCTGGACAGCATGGCCATCGAGGCCCTGCCCTTCCAGGACTGCCTCTGCCAGATGCTGGACC
 TGGTCAAGCCGAGGACTGAAGGGAAGATCACGCTGCAGGACCTGAAGCGTGAAGCTGGCTAACGCTCT
 CTTGACACCTTCTTCAACATCGAGAAGTACCTCGACCAGCAGAAAGAGCAGATCTCCCTGCTCAGG
 GACGGTGACAGCGGGCCCGGAGCTCTCGACTGGGAGAAGTACGCGCCGAGGAGTACGACATCTGG
 TGGCCGAGGAGACTGCGGGAGGCCCTGGGAGGACGGTTCGAGGCCGAGCTCAGCCCTGTGGAGCAGAA
 GCTGAGTGCCTGCGCTCCCGCTGGCCAGAGGCCCTTCTTCGAGGCCCTCACCGCTGGGCGCCGTG
 GACCTGTACGAGTACGCATGCGGGACGAGGACCTGGAGCCGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG222908 representing NM_013239
 Red=Cloning site Green=Tags(s)

MPPGKVLQPVLMKVDELFLYWLSEASTQRMLQDCLRRIKAPGRDQPTPGDGEQPGAWPTAPLAAPRPSG
 LEPPGTPGPGPALPLGAASSPRNAPHVRGTRRSAGTRVVQTRKEEPLPPATSQSIPTFYFPRGRPQDSVN
 VDAVISKIESTFARFPHERATMDDMGLVAKACGPLYWKGPLFYGAGGERTGSVSVHKFVAMWRKILQNC
 HDDAAKFVHLLMSPGCNYLVQEDFVPFLQDVVNTHPGLSFLKEASEFHSRYITTVIQRIFYAVNRSWSGR
 ITCAELRRSSFLQNVALLLEEADINQLTEFFSYEHFYVIYCKFWELDTDHLLIDADDLARHNDHALSTK
 MIDRIFSGAVTRGRKVQKEGKISYADFWFLISEEDKKTPTSIEYWFRCMDLDGDGALSMFELEYFYEEQ
 CRRLD SMAIEALPFQDCLCQMLDLVKPRTEGKITLQDLKRCKLANVFFDTFFNIEKYLDHEQKEI SLLR
 DGDSGGPELSDWEKYAAEEYDILVAEETAGEPWEDGFEAELSPVEQKLSALRSPLAQRPFPEAPSPLGAV
 DLYEYACGDEDELEPL

TRTRPLE - GFP Tag - V

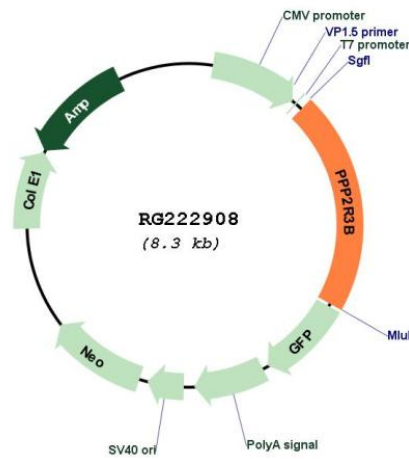
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_013239
 ORF Size: 1725 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:	<ol style="list-style-type: none">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_013239.5
RefSeq Size:	2071 bp
RefSeq ORF:	1728 bp
Locus ID:	28227
UniProt ID:	Q9Y5P8
Cytogenetics:	X;Y
Protein Families:	Druggable Genome, Phosphatase
Gene Summary:	Protein phosphatase 2 (formerly named type 2A) is one of the four major Ser/Thr phosphatases and is implicated in the negative control of cell growth and division. Protein phosphatase 2 holoenzymes are heterotrimeric proteins composed of a structural subunit A, a catalytic subunit C, and a regulatory subunit B. The regulatory subunit is encoded by a diverse set of genes that have been grouped into the B/PR55, B'/PR61, and B''/PR72 families. These different regulatory subunits confer distinct enzymatic specificities and intracellular localizations to the holoenzyme. The product of this gene belongs to the B'' family. The B'' family has been further divided into subfamilies. The product of this gene belongs to the beta subfamily of regulatory subunit B''. [provided by RefSeq, Apr 2010]