

Product datasheet for **RG211104**

PPP2R5A (NM_006243) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R5A (NM_006243) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP2R5A
Synonyms:	B56A; B56alpha; PR61A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



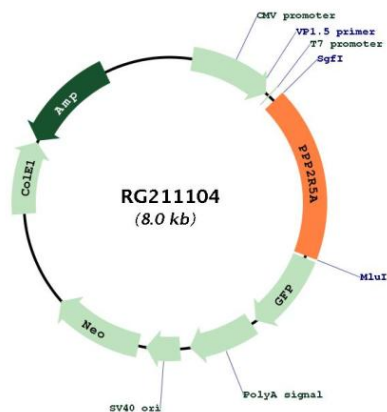
ACCN:	NM_006243
ORF Size:	1458 bp



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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_006243.2 , NP_006234.1
RefSeq Size:	3145 bp
RefSeq ORF:	1461 bp
Locus ID:	5525
UniProt ID:	Q15172
Cytogenetics:	1q32.3
Domains:	B56
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Oocyte meiosis, Wnt signaling pathway
Gene Summary:	The product of this gene belongs to the phosphatase 2A regulatory subunit B family. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes an alpha isoform of the regulatory subunit B56 subfamily. Alternative transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Dec 2010]

Product images:



Circular map for RG211104