

Product datasheet for **RG237921**

PPP2R5E (NM_001282182) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R5E (NM_001282182) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP2R5E
Synonyms:	B56E; B56epsilon
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237921 representing NM_001282182. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACACGCTATCTGATCTTAAATGAAAGAATACAAGCGCTCCACTCTTAATGAACTGGTGGACTAC
ATTACAATAAGCAGAGGCTGTTTGACAGAGCAGACTTACCCTGAAGTAGTTAGAATGGTATCTTGAAT
ATATTCAGAACTCTCCCTCCTAGTGACAGCAATGAATTTGATCCAGAAGAAGATGAACCTACCCTTGAG
GCATCGTGGCCACACTTACAGCTTGTATATGAATTTTTCATACGATTTTGGAAAGCCAAGAATCCAA
CCCAGCATTGCCAAAAATATATAGATCAGAAATTTGTATTACAGCTTCTGGAGCTATTTGACAGCGAA
GACCCTCGGGAACGGGACTACTTAAAAACAGTCTTACACAGAATTTATGGCAAGTTTCTTGGTCTTAGA
GCATTTATCCGAAAACAGATTAACAATATTTTCTAAGGTTTGTATGAAACAGAACACTTCAATGGT
GTAGCTGAACTGCTGAAATATTAGGAAGTATTATCAATGGCTTTGCTTTACCTCTTAAGGCAGAACAC
AAACAGTTTCTGGTAAAAGTATTGATCCCTTACACACTGTCCAGGAGCTTACACTCTTCCATGCACAG
CTGGCATATTGTATAGTACAGTTTCTGGAGAAAGATCCTTCACTCACAGAACCAGTTATTAGGGGTTA
ATGAAATTTGGCCTAAAACATGTAGTCAAAAAGAGGTGATGTTCTTGGGAACTGGAAGAAATATTG
GATGTGATTGAACCTTACAATTTGTTAAAATCCAAGAACCTTTGTTTAAACAAATCGCCAAGTGTGA
TCTAGCCCCATTTTCAGGTGGCAGAAAGAGCACTCTATTATTGGAATAATGAATACATCATGAGTTTG
ATAGAAGAAAACCTAACGTCATCCTTCCCATCATGTTTTCCAGCCTTTATAGGATTTCAAAGAACAT
TGGAAATCCGGCTATTGTGGCGTTGGTGTACAATGTGTTGAAGGCATTTATGGAAATGAACAGCACCATG
TTTGACGAGCTGACAGCCACATACAAGTCAGATCGTCAGCGTGAGAAAAAGAAAAGAGGAGCGTGAA
GAATTTGGAAAAATTTGGAGGATCTGGAGTTAAAGAGAGGTCTTAGACGTGATGGAATAATTCCAAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237921
 Blue=ORF Red=Cloning site Green=Tag(s)

MDT^{ASW}PL^{QLV}Y^{EFFI}R^{FLES}Q^{FQPS}I^{AKKY}I^{DQK}F^{VLQ}L^{LLE}F^{DSE}D^{PRER}D^{YKTV}L^{HRI}Y^{GKFL}G^{LRAF}
 I^{RKQ}I^{NNIF}L^{RFFV}Y^{TEHF}N^{GVA}E^{LLEI}L^{LSI}I^{NGF}A^{LPLK}A^{EHKQ}F^{LKV}L^{IPLH}T^{VRSL}S^{LFL}H^{AQLAY}
 C^{IVQ}F^{LEKDP}S^{LTEP}V^{IRGL}M^{KFWPK}T^{CSQK}E^{VMLG}E^{ELD}V^{IEPS}Q^{FVKI}Q^{EPLF}K^{QIAK}C^{VSS}
 P^{HFQV}A^{ERAL}Y^{WNEY}I^{MSL}T^{EENS}V^{ILP}I^{MFSS}L^{YRIS}K^{EHWN}P^{AIVAL}V^{YNVL}K^{AFMEM}N^{STM}
 F^{DEL}T^{ATYK}S^{DRQ}R^{EKKK}E^{KERE}E^{ELW}K^{LLED}L^EL^{KRGL}R^{RRD}G^II^PT
 TR^{TRPLE}M^{ESDE}S^{GLP}A^{MEIE}C^{RITG}L^{NGV}E^{FELV}G^{GEGT}P^{EQGR}M^{TNKM}K^{STKG}A^{LTF}S^{PYLL}S^{SHV}
 M^GY^GF^YH^FG^TY^PS^GY^{ENP}F^{LHAI}N^{NGGY}T^{NRIE}K^{YED}G^{GV}L^{HVS}F^{SYRYE}A^{GRV}I^{GDF}K^VM^GT^GF^{PED}
 S^{VIFT}D^{KIIR}S^{NAT}V^{EHL}H^{PMGD}N^{DLDG}S^{FTR}T^{FSLR}D^{GGY}S^{SVVD}S^{SHMH}F^{KSAI}H^{PSIL}Q^{NGG}P^{MFA}
 F^{RR}V^{EED}H^SN^TE^LG^IV^EY^{QHAF}K^{TPD}A^DA^GE^ER^V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001282182

ORF Size: 1173 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.

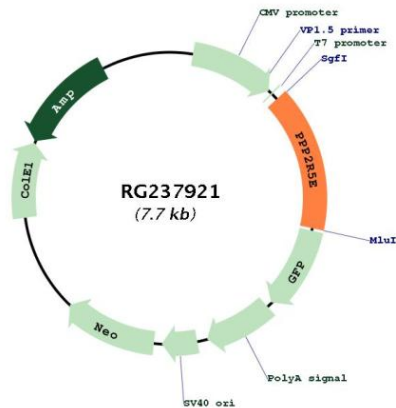
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq: [NM_001282182.3](#)

RefSeq Size: 3445 bp

RefSeq ORF:	1176 bp
Locus ID:	5529
UniProt ID:	Q16537
Cytogenetics:	14q23.2
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Oocyte meiosis, Wnt signaling pathway
MW:	46.6 kDa
Gene Summary:	The protein encoded by 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 epsilon isoform of the regulatory subunit B56 subfamily. Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RG237921