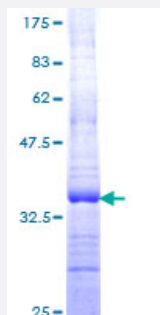


PPM1G (Human) Recombinant Protein (Q01)

Catalog # H00005496-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PPM1G partial ORF (NP_817092, 462 a.a. - 544 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	QRDENGELRLLSSMEELLDQCLAPDTSGDGTGCDNMTCIIICFKPRNTAELQPESGKRKLEEVLS TEGAEENGNSDKKKKAK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34.87
Interspecies Antigen Sequence	Mouse (94); Rat (94)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PPM1G

Entrez GeneID	5496
GeneBank Accession#	NM_177983
Protein Accession#	NP_817092
Gene Name	PPM1G
Gene Alias	MGC1675, MGC2870, PP2CG, PP2CGAMMA, PPP2CG
Gene Description	protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform
Omim ID	605119
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase is found to be responsible for the dephosphorylation of Pre-mRNA splicing factors, which is important for the formation of functional spliceosome. Studies of a similar gene in mice suggested a role of this phosphatase in regulating cell cycle progression. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq]
Other Designations	OTTHUMP00000123426 PP2C, gamma protein phosphatase 1C protein phosphatase 1G protein phosphatase 2, catalytic subunit, gamma isoform protein phosphatase 2C gamma isoform protein phosphatase magnesium-dependent 1 gamma

Disease

- [Alcoholism](#)
- [Conduct Disorder](#)