

Product datasheet for **TP310599**

GMPR2 (NM_001002001) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human guanosine monophosphate reductase 2 (GMPR2), transcript variant 3, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210599 protein sequence Red =Cloning site Green =Tags(s)
	<p>MPHIDNDVKLDFKDVLLRPKRSTLKSRSSEVDLTRSFSFRNSKQTYSGVPIIAANMDTVGTFEMAKVLCKF SLFTAVHKHYSLVQWQEFAGQNPDCLEHLAASSGTGSSDFEQLEQILEAIPQVKYICLDVANGYSEHFVE FVKDVRKRFPQHTIMAGNVVTGEMVEELILSGADIIVKIGIGPGSVCTTRKKTGVGYQLSAVMECADA AH GLKGHIISDGGCSCPGDVAKAFGAGADFMVLLGMLAGHSESGGELIERDGKKYKLFYGMSSMEMAMKKYAG GVAEYRASEGKTVEVPFKGDVEHTIRDILGGIRSTCTYVGA AKLKELSRRTTFIRVTQQVNPIFSEAC</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	37.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_001002001</u>
Locus ID:	51292



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UniProt ID: [Q9P2T1](#)

RefSeq Size: 1930

Cytogenetics: 14q12

RefSeq ORF: 1044

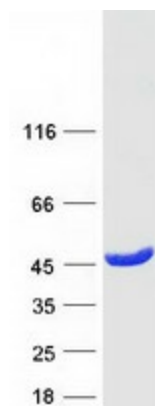
Synonyms: GMPR 2

Summary: This gene encodes an enzyme that catalyzes the irreversible and NADPH-dependent reductive deamination of guanosine monophosphate (GMP) to inosine monophosphate (IMP). The protein also functions in the re-utilization of free intracellular bases and purine nucleosides. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2017]

Protein Families: Druggable Genome

Protein Pathways: Purine metabolism

Product images:



Coomassie blue staining of purified GMPR2 protein (Cat# TP310599). The protein was produced from HEK293T cells transfected with GMPR2 cDNA clone (Cat# [RC210599]) using MegaTran 2.0 (Cat# [TT210002]).