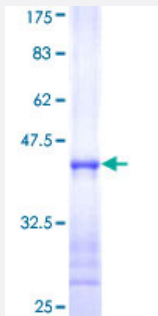


GMPR (Human) Recombinant Protein (Q01)

Catalog # H00002766-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GMPR partial ORF (NP_006868, 1 a.a. - 120 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MPRIDADLKLDKDFKDVLLRPKRSSLKSRAEVDLERTFTFRNSKQTYSGIPIVANMDTVGTFEMAAV MSQHSMFTAIHKHYSLLDDWKLFFATNHPECLQNVAVSSGSGQNDLEKMTSILEAV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	38.94
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 — GMPR

Entrez GeneID	2766
GeneBank Accession#	NM_006877
Protein Accession#	NP_006868
Gene Name	GMPR
Gene Alias	GMPR1
Gene Description	guanosine monophosphate reductase
Omim ID	139265
Gene Ontology	Hyperlink
Gene Summary	Guanosine monophosphate reductase (EC 1.7.1.7) catalyzes the irreversible NADPH-dependent reductive deamination of guanosine monophosphate (GMP) to inosine monophosphate (IMP). G MPR is able to convert guanosine nucleotides to the pivotal precursor of both guanine (G) and ad enine (A) nucleotides. It plays an important role in maintaining the intracellular balance of A and G nucleotides.[supplied by OMIM
Other Designations	OTTHUMP00000016064 guanine monophosphate reductase

Pathway

- [Purine metabolism](#)

Disease

- [Coronary Artery Disease](#)