

Recombinant Full Length Human GMPR2 Protein, GST-tagged

Cat. No. GMPR2-5420HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GMPR2 full-length ORF (NP_001002000.1, 1 a.a. - 348 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	348 amino acids
Description	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]
Molecular Mass	64.3 kDa
AA Sequence	MPHIDNDVKLDFKDVLLRPKRSTLKSSEVDLTRSFSFRNSKQTYSGVPPIAANMDTV GTFEMAKVLCKFSLFTAVHKHYSLVQWQEFAGQNPDCLEHLAASSGTGSSDFEQL QILEAIPQVKYICLDVANGYSEHFVEFVKDVRKRFPQHTIMAGNVVTGEMVEELILSG ADIIKVGIGPGSVCTTRKKTGVGYPQLSAVMECADAHGLKGHIISDGGCSCPGDVA KAFGAGADFDVMLGGMLAGHSES GGELIERDGKKYKLFYGMSSSEMAMKKYAGGVAE YRASEGKTVEVPFKGDVEHTIRDILGGIRSTCTYVGAALKELSRRTTFIRVTQQVNPI FSEAC

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	GMPR2 guanosine monophosphate reductase 2 [Homo sapiens]
Official Symbol	GMPR2
Synonyms	GMPR2; guanosine monophosphate reductase 2; GMP reductase 2; guanosine monophosphate reductase isolog; guanosine 5-monophosphate oxidoreductase 2; MGC830; MGC15084;
Gene ID	51292
mRNA Refseq	NM_001002000
Protein Refseq	NP_001002000
MIM	610781
UniProt ID	Q9P2T1

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