

Recombinant Human GMPR2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GMPR2-2181H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMPR2 MS Standard C13 and N15-labeled recombinant protein (NP_001002001) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	37.9 kDa
AA Sequence	MPHIDNDVKLDFKDVLLRPKRSTLKSSEVDLTRSFSFRNSKQTYSGVPPIAANMDTV GTFEMAKVLCKFSLFTAVHKHYSLVQWQEFAGQNPDCLEHLAASSGTGSSDFEQL QILEAIPQVKYICLDVANGYSEHFVEFVKDVRKRFPQHTIMAGNVVTGEMVEELILSG ADIIKVGIGPGSVCTTRKKTGVGYPQLSAVMECADAHAHGLKGHIISDGGCSCPGDVA KAFGAGADFVMLGGMLAGHSESGGELIERDGKKYKLFYGMSSSEMAMKKYAGGVAE YRASEGKTVEVPFKGDVEHTIRDILGGIRSTCTYVGAARKLSESRRTTFIRVTQQVNPI FSEACTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	GMPR2 guanosine monophosphate reductase 2 [Homo sapiens (human)]
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_001002001
Protein Refseq	NP_001002001
MIM	610781
UniProt ID	Q9P2T1

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