

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

Cat. No. GMPR-1491H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMPR MS Standard C13 and N15-labeled recombinant protein (NP_006868) 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 GMP to IMP. The protein also functions in the re-utilization of free intracellular bases and purine nucleosides.
Molecular Mass	37.4 kDa
AA Sequence	MPRIDADLKLDKDFKDVLLRPKRSSLKSRAEVDLERTFTFRNSKQTYSGIPIIVANMDTV GTFEMAAVMSQHSMTAIHKHYSLDDWKLFATNHPECLQNVAVSSGSGQNDLEKM TSILEAVPQVKFICLDVANGYSEHFVEFVKLVRAKFPEHTIMAGNVVTGEMVEELILS GADIIVKVGPGSVCTTRTKTGVGYPQLSAVIECADSAHGLKGHIISDGGCTCPGDV AKAFGAGADFMVLGGMFSGHTECAGEVIERNRKLKLFYGMSSDTAMNKHAGGVA EYRASEGKTVEVPYKGDVENTILDILGGLRSTCTYVGAALKELSRRTATFIRVTQQHN TVFSTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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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 GMPR guanosine monophosphate reductase [Homo sapiens (human)]

Official Symbol GMPR

Synonyms GMPR; guanosine monophosphate reductase; GMP reductase 1; guanine monophosphate reductase; guanosine monophosphate reductase 1; guanosine 5-monophosphate oxidoreductase 1; GMPR1;

Gene ID 2766

mRNA Refseq NM_006877

Protein Refseq NP_006868

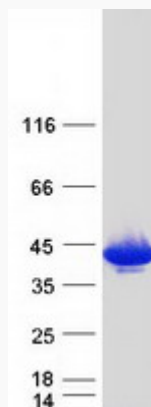
MIM 139265

UniProt ID P36959

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SDS-PAGE

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