Recombinant Human GMPR2, His-tagged

Cat. No. GMPR2-28148TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GMPR2 (amino acids 1-348) with an N terminal His tag (368 amino acids with the tag).
Species	Human
Source	E.coli
ProteinLength	348 amino acids
Description	Guanosine monophosphate reductase (GMPR) Catalyzes the irreversible NADPH-dependent deamination of GMP to IMP.
Conjugation	HIS
Molecular Weight	40.000kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMPHIDNDVKLDFKDVLLRPKRSTLKSRSEVDLTRSF SFRNSKQTYSGVPIIAANMDTVGTFEMAKVLCKFSLFTAVHKHYSLVQWQEFAGQN PDCLEHLAASSGTGSSDFEQLEQILEAIPQVKYICLDVANGYSEHFVEFVKDVRKRFP QHTIMAGNVVTGEMVEELILSGADIIKVGIGPGSVCTTRKKTGVGYPQLSAVMECAD AAHGLKGHIISDGGCSCPGDVAKAFGAGADFVMLGGMLAGHSESGGELIERDGKKY KLFYGMSSEMAMKKYAGGVAEYRASEGKTVEVPFKGDVEHTIRDILGGIRSTCTYV GAAKLKELSRRTTFIRVTQQVNPIFSEAC

GENE INFORMATION

Gene Name	GMPR2 guanosine monophosphate reductase 2 [Homo sapiens]
Official Symbol	GMPR2
Synonyms	GMPR2; guanosine monophosphate reductase 2; GMP reductase 2;
Gene ID	51292
mRNA Refseq	NM_001002000
Protein Refseq	NP_001002000
MIM	610781
Uniprot ID	Q9P2T1
Chromosome Location	14q11.2
Pathway	Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine

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	metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem;
Function	GMP reductase activity; metal ion binding; oxidoreductase activity;

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