

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: None Constituents: 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.

 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

Sequences of amino acids

MGSSHHHHHHSSGLVPRGSHMPHIDNDVKLDFKDVLLRPKRSTLKSRSSEVDLTRSF
SFRNSKQTYSGVPIIAANMDTVGTFEMAKVLCKFSLFTAVHKHYSLVQWQEFAGQN
PDCLEHLAASSGTGSSDFEQLEQILEAIPQVKYICLDVANGYSEHFVEFVKDVRKRFP
QHTIMAGNVVTGEMVEELILSGADIKVGIGPGSVCTTRKKTGVGYPQLSAVMECAD
AAHGLKGHIISDGGCSCPGDVAKAFGAGADFVMLGGMLAGHSES GGELIERDGKKY
KLFYGMSSSEMAMKKYAGGVAEYRASEGKTVEVPFKGDVEHTIRDILGGIRSTCTYV
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

 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

metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem;

Function

GMP reductase activity; metal ion binding; oxidoreductase activity;

 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