

Guanosine Monophosphate Reductase Recombinant Protein | GMPR recombinant protein

Recombinant Human Guanosine Monophosphate Reductase

CATALOG # AAA38998	HOST E Coli
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PRODUCT SYNONYMS

Guanosine Monophosphate Reductase; Recombinant Human Guanosine Monophosphate Reductase; GMPR Human; Guanosine Monophosphate Reductase Human Recombinant; GMP reductase 1; Guanosine 5'-monophosphate oxidoreductase 1; Guanosine monophosphate reductase 1; GMPR; GMPR1; GMPR recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The GMPR solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 40% glycerol, 0.15M NaCl and 1mM DTT. Sterile Filtered clear colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMPR IDADLKLDK DVLLRPKRSS LKSRAEVDLE RTFTFRNSKQ TYSGIPIVA NMDTVGTFEM AAVMSQHSMF TAIHKHYSLD DWKLFATNHP ECLQNVAVSS GSGQNDLEKM TSILEAVPQV KFCILDVANG YSEHFVEFK LVRAKFPEHT IMAGNVVTGE MVEELILSGA DIIKVGVGPG SVCTTRTKTG VGYPLSAVI ECADSAHGLK GHIISDGGCT CPGDVAKAFG AGADFVMLGG MFSGHTECAG EVIERNGRKL KLFYGMSSDT AMNKHAGGVA EYRASEGKT VEPYKGDVEN TILDILGGLR STCTYVGA AK LKELSRRATF IRVTQQHNTV FS.
Sequence Length	345

ADDITIONAL INFORMATION

Related Product Information for GMPR recombinant protein	Description: GMPR Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 365 amino acids (1-345) and having a molecular mass of 39.5kDa. GMPR is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introduction: Guanosine monophosphate reductase (GMPR) catalyzes the irreversible NADPH-dependent deamination of GMP to IMP. GMPR acts in the conversion of nucleobase, nucleoside and nucleotide derivatives of G to A nucleotides, and in upholding the intracellular balance of A and G nucleotides. In addition, the GMPR protein functions in the re-utilization of free intracellular bases and purine nucleosides.
Product Categories/Family for GMPR recombinant protein	Enzymes; Reductase

NCBI AND UNIPROT INFORMATION

NCBI GI #	156104880
NCBI GeneID	2766
NCBI Accession #	NP_006868.3
NCBI GenBank Nucleotide #	NM_006877.3
UniProt Accession #	P36959; Q96HQ6
Molecular Weight	37,419 Da
NCBI Official Full Name	GMP reductase 1

NCBI Official Synonym Full Names	guanosine monophosphate reductase
NCBI Official Symbol	GMPR
NCBI Official Synonym Symbols	GMPR1
NCBI Protein Information	GMP reductase 1; guanine monophosphate reductase; guanosine 5'-monophosphate oxidoreductase 1; guanosine monophosphate reductase 1
UniProt Protein Name	GMP reductase 1
UniProt Gene Name	GMPR
UniProt Synonym Gene Names	GMPR1; Guanosine monophosphate reductase 1
UniProt Entry Name	GMPR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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