

32-2376: GMPR Recombinant Protein

Alternative Name : GMP reductase 1, Guanosine 5'-monophosphate oxidoreductase 1, Guanosine monophosphate reductase 1, GMPR, GMPR1.

Description

Source : Escherichia Coli. 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. 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 Info

Amount : 20 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : The GMPR solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 40% glycerol, 0.15M NaCl and 1mM DTT.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSSLVPRGSH MPRIDADLKL DFKDVLLRPK RSSLKSRAEV DLERTFTFRN SKQTYSGIPI
 IVANMDTVGT FEMAAVMSQH SMFTAIHKHY SLDDWKL FAT NHPECLQNVV VSSGSGQNDL
 EKMTSILEAV PQVKFICLDV ANGYSEHFVE FVKLVRAKFP EHTIMAGNVV TGEMVEELIL SGADIIKVG
 GPGSVCTTTRT KTGVGYPQLS AVIECADSAH GLKGHIISDG GCTCPGDVAK AFGAGADFVM LGGMFSGHTE
 CAGEVIERNR RKLKLFYGM S DTAMNKHAG GVAEYRASEG KTVEVPYKGD VENTILDILG GLRSTCTYVG
 AAKLKELSRRTATFIRVTQQH NTVFS.

