9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

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 SSGLVPRGSH MPRIDADLKL DFKDVLLRPK RSSLKSRAEV DLERTFTFRN SKQTYSGIPI IVANMDTVGT FEMAAVMSQH SMFTAIHKHY SLDDWKLFAT NHPECLQNVA VSSGSGQNDL EKMTSILEAV PQVKFICLDV ANGYSEHFVE FVKLVRAKFP EHTIMAGNVV TGEMVEELIL SGADIIKVGV GPGSVCTTRT KTGVGYPQLS AVIECADSAH GLKGHIISDG GCTCPGDVAK AFGAGADFVM LGGMFSGHTE CAGEVIERNG RKLKLFYGMS SDTAMNKHAG GVAEYRASEG KTVEVPYKGD VENTILDILG GLRSTCTYVG AAKLKELSRR ATFIRVTQQH NTVFS.