

## 32-2377: GMPR2 Recombinant Protein

**Alternative Name :** GMP reductase 2, Guanosine 5''-monophosphate oxidoreductase 2.

### Description

Source : Escherichia Coli. GMPR2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 368 amino acids (1-348 a.a.) and having a molecular mass of 40 kDa. GMPR2 is fused to a 20 amino acid His-tag at N-terminus and purified by proprietary chromatographic techniques. GMPR2 is the single known metabolic step by which guanine nucleotides can be transformed to the pivotal precursor of both adenine and guanine nucleotides. GMPR2 catalyzes the permanent NADPH-dependent reductive deamination of GMP to IMP, and is involved in re-utilization of free intracellular bases and purine nucleosides.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	GMPR2 1mg/ml solution contains 20mM Tris pH-8, 1mM DTT and 10% glycerol.
<b>Storage condition :</b>	GMPR2 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MPHIDNDVKL DFKDVLLRPK RSTLKSRSSEV DLTRSFSEFRN SKQTYSGVPI IAANMDTVGT FEMAKVLCKFSLFTAVHKHY SLVQWQEFAG QNPDCLEHLA ASSGTGSSDF EQLEQILEAI PQVKYICLDV ANGYSEHFVE FVKDVRKRFP QHTIMAGNVV TGEMVEELIL SGADIIVKGI GPGSVCTTRK KTGVGYPQLS AVMECADAHAH GLKGHIISDG GCSCPGDVAK AFGAGADFVM LGGMLAGHSESGGELIERDG KKYKLYGMS SEMAMKKYAG GVAEYRASEG KTVEVPFKGD VEHTIRDILG GIRSTCTYVG AAKLKELSRR TTFIRVTQQV NPIFSEAC.

