

---

## Product Data Sheet

---

Product Name: GMPR2 Human  
 Cat. No.: GP21700  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GMP reductase 2; Guanosine 5''-monophosphate oxidoreductase 2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MPHIDNDVKL DFKDVLLRPK RSTLKSRSEV DLTRSFSFRN SKQTYSGVPI IANMDTVGT FEMAKVLCKFSLFTAVHKHY SLVQWQEFAG QNPDCLEHLA ASSGTGSSDF EQLEQILEAI PQVKYICLDV ANGYSEHFVE FVKDVRKRFP QHTIMAGNVV TGEMVEELIL SGADIKVGI GPGSVCTTRK KTGVGYPQLS AVMECADA AH GLKGHIISDG GCSCPGDVAK AFGAGADFVM LGGMLAGHSESGGELIERDG KKYKLFYGM SEMAMKKYAG GVAEYRASEG KTVEVPFKGD VEHTIRDILG GIRSTCTYVG AAKLKELSRR TTFIRVTQQV NPIFSEAC.		
Formulation	GMPR2 1mg/ml solution contains 20mM Tris pH-8, 1mM DTT and 10% glycerol.		

### Introduction

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.

### Stability

GMPR2 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C . Please prevent freeze thaw cycles.

### Background

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

---

## Product Data Sheet

---

proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**