

## Product datasheet for **AR09642PU-L**

### GMP reductase 2 / GMPR2 (1-348, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	GMP reductase 2 / GMPR2 (1-348, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MPHIDNDVKL DFKDVLLRPK RSTLKSRSSEV DLTRSFSFRN SKQTYSGVPI IANMDTVGT FEMAKVLCKF SLFTAVHKHY SLVQWQEFAG QNPDCLEHLA ASSGTGSSDF EQLEQILEAI PQVKYICLDV ANGYSEHFVE FVKDVRKRFP QHTIMAGNVV TGEMVEELIL SGADIIVKVI GPGSVCTTRK KTGVGYPQLS AVMECADA AH GLKGHIISDG GCSCPGDVAK AFGAGADFVM LGGMLAGHSE SGGELIERDG KKYKLYGMS SEMAMKKYAG GVAEYRASEG KTVEVPFKGD VEHTIRDILG GIRSTCTYVG AAKLKELSR R TTFIRVTQQV NPIFSEAC
Tag:	His-tag
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GMPR2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001002000</u>
Locus ID:	51292
UniProt ID:	<u>Q9P2T1</u>
Cytogenetics:	14q12
Synonyms:	GMPR 2



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**Summary:** This gene encodes an enzyme that catalyzes the irreversible and NADPH-dependent reductive deamination of guanosine monophosphate (GMP) to inosine monophosphate (IMP). The protein also functions in the re-utilization of free intracellular bases and purine nucleosides. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2017]

**Protein Families:** Druggable Genome

**Protein Pathways:** Purine metabolism

**Product images:**

