

Product datasheet for **AR50235PU-N**

GMP reductase 1 / GMPR1 (1-345, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	GMP reductase 1 / GMPR1 (1-345, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSSLVPRGSH MPRIDADLKL DFKDVLLRPK RSSLKSRAEV DLERTFTFRN SKQTYSGIPI IVANMDTVGT FEMAAVMSQH SMFTAIHKHY SLDDWKL FAT NHPECLQNVA VSSGSGQNDL EKMTSILEAV PQVKFICLDV ANGYSEHFVE FVKLVRAKFP EHTIMAGNVV TGEMVEELIL SGADIIVKGV GPGSVCTTRT KTGVGYPQLS AVIECADSAH GLKGHIISDG GCTCPGDVAK AFGAGADFVM LGGMFSGHT E CAGEVIERN G RKLKLFY GMS SDTAMNKHAG GVAEYRASEG KTVEVPYKGD VENTILDILG GLRSTCTYVG AAKLKELSRR ATFIRVTQQH NTVFS
Tag:	His-tag
Predicted MW:	39.5 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.15M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GMPR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_006868
Locus ID:	2766
UniProt ID:	P36959
Cytogenetics:	6p22.3



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Synonyms: GMPR 1; GMPR1

Summary: This gene encodes an enzyme that catalyzes the irreversible and NADPH-dependent reductive deamination of GMP to IMP. The protein also functions in the re-utilization of free intracellular bases and purine nucleosides.[provided by RefSeq, Oct 2009]

Protein Families: Druggable Genome

Protein Pathways: Purine metabolism