

Product datasheet for **AR09639PU-L**

GNPDA1 (1-289, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	GNPDA1 (1-289, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSSLVPRGSH</u> MKLIILEHYS QASEWAAKYI RNRIIQFNPG PEKYFTLGLP TGSTPLGCVK KLIEYYKNGD LSFKYVKTFN MDEYVGLPRD HPESYHSFMW NFFKHIDIH PENTHILDGN AVDLQAECDA FEEKIKAAGG IELFVGGIGP DGHIAFNEPG SSLVSRTRVK TLMADTILAN ARFFDGELTK VPTMALTGV GTVMDAREVM ILITGAHKAF ALYKAIEEGV NHMWTVSAFQ QHPRTVFCV EDATLELVK TVKYFKGLML VHNKLVDPY SIKEKETEK SSSKKPYSD
Tag:	His-tag
Predicted MW:	34.8 kDa
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, 20% glycerol, 50 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GNPDA1 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_005462</u>
Locus ID:	10007
UniProt ID:	<u>P46926</u>
Cytogenetics:	5q31.3



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Synonyms: GNP1; GNPDA; GNPI; GPI; HLN

Summary: Glucosamine-6-phosphate deaminase (EC 3.5.99.6) is an allosteric enzyme that catalyzes the reversible conversion of D-glucosamine-6-phosphate into D-fructose-6-phosphate and ammonium (Arreola et al., 2003 [PubMed 12965206]).[supplied by OMIM, Jan 2010]

Protein Pathways: Amino sugar and nucleotide sugar metabolism, Metabolic pathways

Product images:

