

## Product datasheet for **AR09639PU-N**

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

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | GNPDA1 (1-289, His-tag) human recombinant protein, 0.1 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 TLAMDTILAN ARFFDGELTK VPTMALTGVG GTVMDAREVM ILITGAHKAF ALYKAIEEGV NHMWTVSAFQ QHPRTVFCVCD EDATLELVKVK TVKYFKGLML VHNKLVDPY SIKEKETEK SSSKKPYSD |
| Tag:                                  | His-tag   |
| Predicted MW:                         | 34.8 kDa  |
| Concentration:                        | lot specific  |
| Purity:                               | >90% by SDS - PAGE  |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>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:**

