

Product datasheet for AR09639PU-L

OriGene Technologies, Inc.

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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:

MGSSHHHHHH SSGLVPRGSH MKLIILEHYS QASEWAAKYI RNRIIQFNPG PEKYFTLGLP TGSTPLGCYK KLIEYYKNGD LSFKYVKTFN MDEYVGLPRD HPESYHSFMW NNFFKHIDIH PENTHILDGN AVDLQAECDA FEEKIKAAGG IELFVGGIGP DGHIAFNEPG SSLVSRTRVK TLAMDTILAN ARFFDGELTK VPTMALTVGV GTVMDAREVM ILITGAHKAF ALYKAIEEGV

TLAMDTILAN ARFFDGELTK VPTMALTVGV GTVMDAREVM ILITGAHKAF ALYKAIEEGV NHMWTVSAFQ QHPRTVFVCD EDATLELKVK TVKYFKGLML VHNKLVDPLY SIKEKETEKS

QSSKKPYSD

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:
 P46926

 Cytogenetics:
 5q31.3





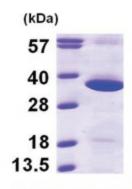
Synonyms: GNP1; GNPDA; GNPI; GPI; HLN

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:



15% SDS-PAGE (3ug)