Recombinant Full Length Human GNPDA1 Protein, GST-tagged

Cat. No. GNPDA1-5402HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GNPDA1 full-length ORF (AAH12853, 1 a.a. - 289 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	289 amino acids
Description	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]
Molecular Mass	57.53 kDa
AA Sequence	MKLIILEHYSQASEWAAKYIRNRIIQFNPGPEKYFTLGLPTGSTPLGCYKKLIEYYKNG DLSFKYVKTFNMDEYVGLPRDHPESYHSFMWNNFFKHIDIHPENTHILDGNAVDLQA ECDAFEEKIKAAGGIELFVGGIGPDGHIAFIEPGSSLVSRTRVKTLAMDTILANARFFD GELTKVPTMALTVGVGTVMDAREVMILITGAHKAFALYKAIEEGVNHMWTVSAFQQH PRTVFVCDEDATLELKVKTVKYFKGLMLVHNKLVDPLYSIKEKETEKSQSSKKPYSD
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	GNPDA1 glucosamine-6-phosphate deaminase 1 [Homo sapiens]
Official Symbol	GNPDA1
Synonyms	GNPDA1; glucosamine-6-phosphate deaminase 1; glucosamine 6 phosphate isomerase, GNPI; glucosamine-6-phosphate isomerase 1; glucosamine 6 phosphate deaminase; GNPDA; GPI; HLN; KIAA0060; oscillin; GNPDA 1; glcN6P deaminase 1; GNP1; GNPI;
Gene ID	10007
mRNA Refseq	NM_005471
Protein Refseq	NP_005462
MIM	601798
UniProt ID	P46926

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