

Recombinant Human GNPDA1 protein, T7/His-tagged

Cat. No. GNPDA1-236H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant human GNPDA1 cDNA (2–289 aa) fused with T7-His-TEV cleavage site Tag at N-terminal was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 2-289 a.a. |
| Form | 0.1 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Sucrose. |
| AA Sequence | MASMTGGQQMGRGRGHHHHHHENLYFQGGEFKLIILEHYSQASEWAAKYIRNRRIIQFN PGPEKYFTLGLPTGSTPLG CYKKLIEYYKNGDLSFKYVKTFNMDEYVGLPRDHPES YHSFMWNNFFKHIDIHPENTHILDGNAVDLQAECDAFE EKIKAAGGIELFVGGIGPD GHIAFNEPGSSLVSRTRVKTLAMDTILANARFFDGELTKVPTMALTGVGTVMDAR E VMILITGAHKAFALYKAIEEGVNHMWTVSAFQQHPRTVFCDEEDATLELKVKTVKYF KGLMLVHNKLVDPYLSI KEKETEKSQSSKKPYSD |
| Purity | >90% by SDS-PAGE |
| Storage | Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days. |

GENE INFORMATION

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 45-1 Ramsey Road, Shirley, NY 11967, USA

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| 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 |
| Chromosome Location | 5q21 |
| Pathway | Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; N-acetylglucosamine degradation I, organism-specific biosystem; N-acetylglucosamine degradation II, organism-specific biosystem; UDP-N-acetyl-D-galactosamine biosynthesis II, organism-specific biosystem; |
| Function | glucosamine-6-phosphate deaminase activity; hydrolase activity; |

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