

Recombinant Human AGA Protein, His-tagged

Cat. No. AGA-549H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human AGA(Pro28~Ala245) fused with His tag at N-terminal was expressed in E. coli.

Species Human

Source E.coli

ProteinLength Pro28~Ala245

Description This gene encodes a member of the N-terminal nucleophile (Ntn) hydrolase family of proteins. The encoded preproprotein is proteolytically processed to generate alpha and beta chains that comprise the mature enzyme. This enzyme is involved in the catabolism of N-linked oligosaccharides of glycoproteins. It cleaves asparagine from N-acetylglucosamines as one of the final steps in the lysosomal breakdown of glycoproteins. Mutations in this gene are associated with the lysosomal storage disease aspartylglycosaminuria that results in progressive neurodegeneration. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is subject to proteolytic processing.

Form PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Molecular Mass 26.9kDa

Endotoxin <1.0EU per 1ug (determined by the LAL method)

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	AGA aspartylglucosaminidase [Homo sapiens]
Official Symbol	AGA
Synonyms	AGA; aspartylglucosaminidase; N(4)-(beta-N-acetylglucosaminy)-L-asparaginase; ASRG; glycosylasparaginase; aspartylglucosylamine deaspartylase; N4-(N-acetyl-beta-glucosaminy)-L-asparagine amidase; GA; AGU;
Gene ID	175
mRNA Refseq	NM_000027
Protein Refseq	NP_000018

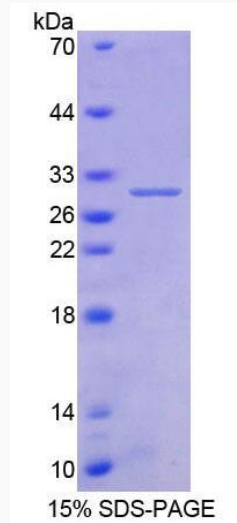
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MIM 613228

UniProt ID P20933



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