

Recombinant Human AGA Protein, GST-tagged

Cat. No. AGA-415H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AGA full-length ORF (AAH12392, 1 a.a. - 346 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Nov 2015]
Molecular Mass	63.8 kDa
AA Sequence	MARKSNLPVLLVPFLLCQALVRCSSPLPLVVNTWPFKNATEAAWRALASGGSALDA VESGCAMCEREQCDGSGVGFGGSPDELGETTLDAMIMDGTMDVGAVGDLRRIKNA IGVARKVLEHTTHTLLVGESATTFAQSMGFINDLSTSASQALHSDWLARNCPNY WRNVIPDPSKYCGPYKPPGILKQDIPIHKETEDDRGHDTIGMVVIHKTGHIAAGTSTN

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GIKFKIHGRVGDSPiPGAGAYADDTAGAAAATGNGDILMRFLPSYQAVEYMRRGED
PTIACQKVISRIQKHFPEFFGAVICANVTGSYGAACNKLSTFTQFSFMVYNSEKNQPT
EEKVDCI

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80centigrade. 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

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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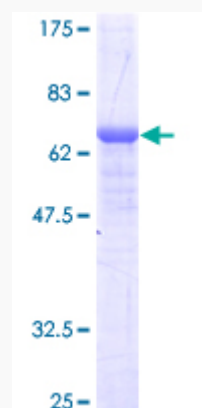
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MIM 613228

UniProt ID P20933

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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