

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	<p>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]</p>
Molecular Mass	63.8 kDa
AA Sequence	<p>MARKSNLPVLLVPFLLCQALVRCSSPLPLVVNTWPFKNATEAAWRALASGGSALDA VESGCAMCEREQCDGSVGFGGSPDELGETTLDAMIMDGTMDVGAVGDLRRIKNA IGVARKVLEHTHTLLVGESATTF AQSMGFINDLSTSASQALHSDWLARNCPNY WRNVIPDPSKYCGPYKPPGILKQDIPIHKETEDDRGHDTIGMVVIHKTGHIAAGTSTN</p>

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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-acetylglucosaminyI)-L-asparaginase; ASRG; glycosylasparaginase; aspartylglucosylamine deaspartylase; N4-(N-acetyl-beta-glucosaminyI)-L-asparagine amidase; GA; AGU;

Gene ID [175](#)

mRNA Refseq [NM_000027](#)

Protein Refseq [NP_000018](#)

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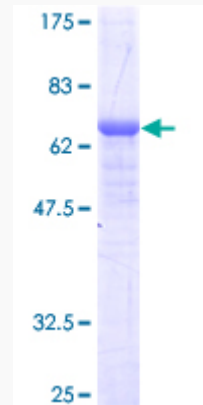
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MIM 613228

UniProt ID P20933

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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