

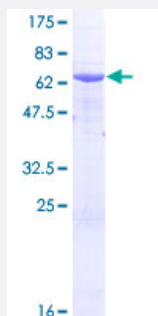
Full-Length

AGA (Human) Recombinant Protein (P02)

Catalog # H00000175-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human AGA full-length ORF (NP_000018.1, 1 a.a. - 346 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MARKSNLPVLLVPFLLCQALVRCSSPLPLVVNTWPFKNATEAAWRALASGGSALDAVESGCAM
CEREQCDGSVGFGGSPDELGETTLDAMMDGTTMDVGAVGDLRRIKNAIGVARKVLEHTTHTLLV
GESATTFAQSMGFINE DLSTSASQALHSDWLARNCPNYWRNVIPDPSKYCGPYKPPGILKQDIP
HKETEDDRGHDTIGMVVIHKTGHIAAGTSTNGIKFKIHGRVGDSPGAGAYADDTAGAAAATGNG
DILMRFLPSYQAVEYMRRGEDPTIACQKVISRIQKHFEFFGAVICANVTGSYGAACNKLSTFTQFS
FMVYNSEKNQPTEEKVDCI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

63.6

Interspecies Antigen Sequence

Mouse (82); Rat (82)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

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

Applications

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

Gene Info — AGA

Entrez GeneID[175](#)**GeneBank Accession#**[NM_000027.2](#)**Protein Accession#**[NP_000018.1](#)**Gene Name**

AGA

Gene Alias

AGU, ASRG, GA

Gene Description

aspartylglucosaminidase

Omim ID[208400](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Aspartylglucosaminidase 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. The lysosomal storage disease aspartylglycosaminuria is caused by a deficiency in the AGA enzyme. [provided by RefSeq]

Other Designations

N(4)-(beta-N-acetylglucosaminy)-L-asparaginase|N4-(N-acetyl-beta-glucosaminy)-L-asparagine amidase|aspartylglucosylamine deaspartylase|aspartylglycosaminuria|glycosylasparaginase

Pathway

- [Lysosome](#)
- [Other glycan degradation](#)