

Aspartylglucosaminidase Recombinant Protein | AGA recombinant protein

Recombinant Human Aspartylglucosaminidase

CATALOG #
AAA37989

PRODUCT SYNONYMS

Aspartylglucosaminidase; Recombinant Human Aspartylglucosaminidase; AGA Human; Aspartylglucosaminidase Human Recombinant; N(4)-(beta-N-acetylglucosaminy)-L-asparaginase; Glycosylasparaginase; N4-(N-acetyl-beta-glucosaminy)-L-asparagine amidase; N (4)-(beta-N-acetylglucosaminy)-L-asparaginase isoform 1; AGU; ASRG; GA; AGA recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	AGA protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.
Sequence	MGSSHHH HHHSSGLVPR GSHMGS SSPLPLVVNT WPFKNATEAA WRALASGGSA LDAVESGCAM CEREQCDGSV GFGGSPDELG ETTL DAMIMD GTTMDVGAVG DLRRIKNAIG VARKVLEHTT HTLLVGESAT TFAQSMGFIN EDLSTTASQA LHSDWLARNC QPNYWRNVIP DPSKYCGPYK PPGILKQDIP IHKETEDDRG HDTIGMVVIH KTG HIAAGTS TNGIKFKIHG RVGDSPIPGA GAYADDTAGA AAATGNGDIL MRFLPSYQAV EYMRRGEDPT IACQKVISRI QKHFPEFFGA VICANVTGSY GAACNKLSTF TQFSFMVYNS EKNQPTEEKV DCI.
Sequence Length	346
Source	E.coli
Physical Appearance	Sterile Filtered colorless solution.
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for AGA recombinant protein	Introduction: Aspartylglucosaminidase, also known as AGA, takes part in the catabolism of Nlinked oligosaccharides of glycoproteins. AGA is a protein coding gene which cleaves asparagine from N-acetylglucosamines in the lysosomal breakdown of glycoproteins. Description: AGA Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 346 amino acids (24-346 a.a.) and having a molecular mass of 37kDa.AGA is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Product Categories/Family for AGA recombinant protein	Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	285002251
NCBI GeneID	175
NCBI Accession #	NP_000018.2
NCBI GenBank Nucleotide #	NM_000027.3
UniProt Accession #	P20933 ; Q4W5Q2 ; Q6FHN6 ; Q9UCK6 ; Q9UCK7 ; Q9UCK8 ; B2R7H2 ; D3DP47

Molecular Weight	37,208 Da
NCBI Official Full Name	N(4)-(beta-N-acetylglucosaminy)-L-asparaginase isoform 1 preproprotein
NCBI Official Synonym Full Names	aspartylglucosaminidase
NCBI Official Symbol	AGA
NCBI Official Synonym Symbols	GA; AGU; ASRG
NCBI Protein Information	N(4)-(beta-N-acetylglucosaminy)-L-asparaginase
UniProt Protein Name	N(4)-(beta-N-acetylglucosaminy)-L-asparaginase
UniProt Gene Name	AGA
UniProt Entry Name	ASPG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/aga-recombinant-protein/37989>