

## Product Data Sheet

Product Name: AGA Human, sf9  
 Cat. No.: GP21371  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Aspartylglucosaminidase; Glycosylasparaginase; N4-(N-Acetyl-Beta-Glucosaminy)-L-Asparagine Amidase; N(4)-(Beta-N-Acetylglucosaminy)-L-Asparaginase ; EC 3.5.1.26; Aspartylglucosylamine Deaspartylase; EC 3.5.1; ASRG; AGU; GA.		
Amino Acid Sequence	ADPSSPLPLV VNTWPFKNATEAAWRALASG GSALDAVESG CAMCEREQCD GSVGFGGSPD ELGETTLDAM IMDGTTMDVG AVGDLRRIKN AIGVARKVLEHTTHTLLVGE SATTFAQSMG FINEDLSTTA SQALHSDWLA RNCQPNYWRN VIPDPSKYCG PYKPPGILKQDIPHKETED DRGHDTIGMV VIHKTGHIAA GTSTNGIKFK IHGRVGDSPG PGAGAYADDT AGAAAATGNG DILMRFLPSYQAVEYMRRGE DPTIACQKVI SRIQKHFPEF FGAVICANVT GSYGAACNKL STFTQFSFMV YNSEKNQPTTEEKVDCIHFFF HH.		
Formulation	AGA protein solution (0.25mg/ml) contains PhosphateBuffered Saline (pH 7.4) and 10% glycerol.		

### 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.

### Stability

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.

### Background

AGA produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain

**Caution: Product has not been fully validated for medical applications. For research use only.**

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containing 332 amino acids (24-346 a.a.) and having a molecular mass of 35.7kDa (Molecular size on SDS-PAGE will appear at approximately 18-57kDa). AGA is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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