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# Recombinant human AGA protein

Catalog Number: ATGP3440

#### PRODUCT INFORMATION

## **Expression system**

Baculovirus

#### **Domain**

24-346aa

#### UniProt No.

P20933

#### **NCBI Accession No.**

NP 000018

#### **Alternative Names**

N (4)-(beta-N-acetylglucosaminyl)-L-asparaginase isoform 1, AGA, AGU, ASRG, GA

## **PRODUCT SPECIFICATION**

#### **Molecular Weight**

35.7 kDa (332aa)

#### Concentration

0.25mg/ml (determined by absorbance at 280nm)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

#### **Purity**

> 90% by SDS-PAGE

#### **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

#### Tag

His-Tag

## **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

AGA, as known as N (4) - (beta-N-acetylglucosaminyl) -L-asparaginase isoform 1, belongs to the N-terminal nucleophile (Ntn) hydrolase superfamily. This protein consists of different S100 proteins and then plays various roles in regulation of protein phosphorylation, the dynamics of cytoskeleton constituents, transcription factors, enzyme activities, cell growth and differentiation, and inflammatory response. Recombinant human AGA, fused



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to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

# **Amino acid Sequence**

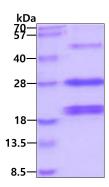
<ADP>SSPLPLV VNTWPFKNAT EAAWRALASG GSALDAVESG CAMCEREQCD GSVGFGGSPD ELGETTLDAM IMDGTTMDVG AVGDLRRIKN AIGVARKVLE HTTHTLLVGE SATTFAQSMG FINEDLSTTA SQALHSDWLA RNCQPNYWRN VIPDPSKYCG PYKPPGILKQ DIPIHKETED DRGHDTIGMV VIHKTGHIAA GTSTNGIKFK IHGRVGDSPI PGAGAYADDT AGAAAATGNG DILMRFLPSY QAVEYMRRGE DPTIACQKVI SRIQKHFPEF FGAVICANVT GSYGAACNKL STFTQFSFMV YNSEKNQPTE EKVDCI

### **General References**

Saarela J., et al. (2004) Biochem. J. 378:363-371. Ikonen E., et al. (1992) Hum. Mutat. 1:361-365.

#### **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

