

# 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-acetylglucosaminy)-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-acetylglucosaminy) -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

# Recombinant human AGA protein

Catalog Number: ATGP3440

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

## Amino acid Sequence

ADPSSPLPLV VNTWPFKNAT EAAWRALASG GSALDAVESG CAMCEREQCD GSVGFGGSPD ELGETTLDAM  
IMDGTMDVG AVGDLRRIKN AIGVARKVLE HTTHTLLVGE SATTFAQSMG FINEDLSTTA SQALHSDWLA RNCQPNYWRN  
VIPDPSKYCG PYKPPGILKQ DIPIHKETED DRGHDTIGMV VIHKTGHIAA GTSTNGIKFK IHGRVGDSP I PGAGAYADDT  
AGAAAATGNG DILMRFLPSY QAVEYMRRGE DPTIACQKVI SRIQKHFPEF FGAVICANVT GSYGAACNKL STFTQFSFMV  
YNSEKNQPT EKVDCIH HHH HH

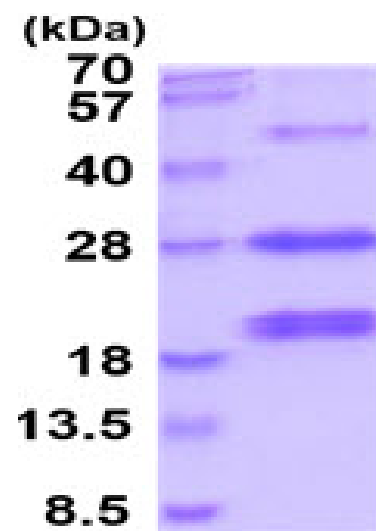
## General References

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.

15% SDS-PAGE (3ug)