

Product information

AGA, 24-346aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3440

Full name: N (4)-(beta-N-acetylglucosaminy)-L-asparaginase isoform 1

NCBI Accession No.: NP_000018

Synonyms: AGA, AGU, ASRG, GA

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

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 35.7kDa (332aa)

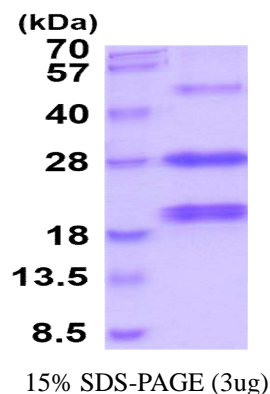
18-57kDa (SDS-PAGE under reducing conditions.)

Predicted N terminal: Ala

Purity: > 90% by SDS - PAGE.

Concentration: 0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



Sequences of amino acids:

ADPSSPLPLV VNTWPFKNAT EAAWRALASG GSALDAVESG CAMCEREQCD GSVGFGGSPD ELGETTLDAM IMDGTTMDVG AVGDLRRIKN
 AIGVARKVLE HTTHTLLVGE SATTFAQSMG FINEDLSTTA SQALHSDWLA RNCQPNYWRN VIPDPSKYCG PYKPPGILKQ DIPIHKETED
 DRGHDTIGMV VIHKTGHIAA GTSTNGIKFK IHGRVGDSP I PGAGAYADDT AGAAAATGNG DILMRFLPSY QAVEYMRRGE DPTIACQKVI
 SRIQKHPEF 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.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.