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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.

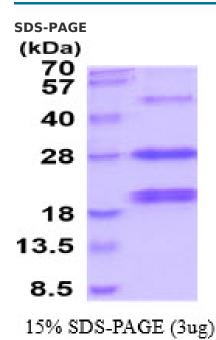
Amino acid Sequence

ADPSSPLPLV 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 YNSEKNOPTE EKVDCIHHHH HH

General References

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

DATA



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

