

Recombinant human AGA protein

Catalog Number: ATGP2977

PRODUCT INFORMATION

Expression system

E.coli

Domain

24-346aa

UniProt No.

P20933

NCBI Accession No.

NP_000018

Alternative Names

N (4)-(beta-N-acetylglucosaminy)-L-asparaginase isoform 1, AGu, ASRG, GA

PRODUCT SPECIFICATION

Molecular Weight

37 kDa (346aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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 also known as N (4) - (beta-N-acetylglucosaminy) -L-asparaginase is involved in the catabolism of N-linked oligosaccharides of glycoproteins. It cleaves asparagine from N-acetylglucosamines as one of the final steps in the lysosomal breakdown of glycoproteins. Recombinant human AGA, fused to His-tag at N-terminus, was expressed in E. coli

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSSSPLPLV VNTWPFKNAT EAAWRALASG GSALDAVESG CAMCEREQCD

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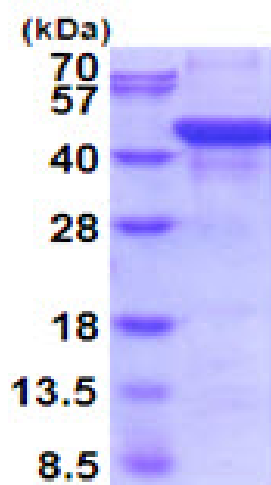
GSVGFGGSPD ELGETTLDAM IMDGTTMDVG AVGDLRRIKN AIGVARKVLE HTTHTLLVGE SATTFAQSMG FINEDLSTTA
SQALHSDWLA RNCQPNYWRN VIPDPSKYCG PYKPPGILKQ DIPIHKETED DRGHDTIGMV VIHKTGHIAA GTSTNGIKFK
IHGRVGDSPi PGAGAYADDt AGAAAATGNG DILMRFLPSY QAVEYMRRGE DPTIACQKVI SRIQKHFPEF FGAVICANVT
GSYGAACNKL STFTQFSFMV YNSEKNQPTe EKVDCl

General References

Covini D.,et al. (2012) Recent Pat Anticancer Drug Discov 7 (1), 4-13

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)