

Product information

AGA, 24-346aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2977

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

NCBI Accession No.: NP_000018

Synonyms: AGU, ASRG, GA

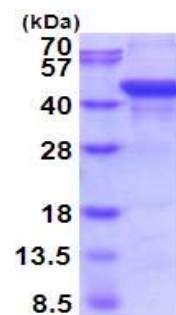
Description: AGA also known as N (4)-(beta-N-acetylglucosaminy)-L-asparaginase is involved in the catabolism of N-linked oligosaccharides of glycoproteins. It cleaves asparagine from N-acetylglucosamines as one of the final steps in the lysosomal breakdown of glycoproteins. Recombinant human AGA, fused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

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

Molecular Weight: 37kDa (346aa)

Purity: > 90% by SDS - PAGE

Concentration: 0.5mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSSSPLPLV VNTWPFKNAT EAAWRALASG GSALDAVESG CAMCEREQCD GSVGFGGSPD ELGETTLDAM
IMDGTMDVG AVGDLRRIN AIGVARKVLE HTHTLLVGE SATTFAQSMG FINEDLSTTA SQALHSDWLA RNCQPNYWRN VIPDPSKYCG
PYKPPGILKQ DIPIHKETED DRGHDTIGMV VIHKTGHIAA GTSTNGIKFK IHGRVGDSP I PGAGAYADDT AGAAAATGNG DILMRFLPSY
QAVEYMRRGE DPTIACQKVI SRIQKHFEF FGAVICANVT GSYGAACNKL STFTQFSFMV YNSEKNQPT EKVDCI

General references:

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

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.