AGA, 24-346aa, Human, His tag, E.coli

Cat.NO.: TP01081

3th Edition

Synonyms:N (4)-(beta-N-acetylglucosaminyl)-L-asparaginase isoform 1, AGu, ASRG, GA

Description:AGA also known as N (4)-(beta-N-acetylglucosaminyl)-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)

Sequences:
MGSSHHHHHHSSGLVPRGSHMGSSSPLPLVVNTWPFKNATEAAWRALASGGSALDAVESGCAMCEREQCDGSV
GFGGSPDELGETTLDAMIMDGTTMDVGAVGDLRRIKNAIGVARKVLEHTTHTLLVGESATTFAQSMGFINEDLSTTA
SQALHSDWLARNCQPNYWRNVIPDPSKYCGPYKPPGILKQDIPIHKETEDDRGHDTIGMVVIHKTGHIAAGTSTNGI
KFKIHGRVGDSPIPGAGAYADDTAGAAAATGNGDILMRFLPSYQAVEYMRRGEDPTIACQKVISRIQKHFPEFFGAV
ICANVTGSYGAACNKLSTFTQFSFMVYNSEKNQPTEEKVDCI

Purity:> 95% by HPLC

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

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

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.