

Recombinant Human NAGPA Protein, MYC/DDK-tagged

Cat. No. NAGPA-189H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human NAGPA protein, fused to MYC/DDK-tag at C-terminal, was expressed in HEK293.
Species	Human
Source	HEK293
Description	Hydrolases are transported to lysosomes after binding to mannose 6-phosphate receptors in the trans-Golgi network. This gene encodes the enzyme that catalyzes the second step in the formation of the mannose 6-phosphate recognition marker on lysosomal hydrolases. Commonly known as 'uncovering enzyme' or UCE, this enzyme removes N-acetyl-D-glucosamine (GlcNAc) residues from GlcNAc-alpha-P-mannose moieties and thereby produces the recognition marker. The encoded preproprotein is proteolytically processed by furin to generate the mature enzyme, a homotetramer of two disulfide-linked homodimers. Mutations in this gene are associated with developmental stuttering in human patients. [provided by RefSeq, Oct 2015].
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Molecular Mass	53.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase [Homo sapiens]
Official Symbol	NAGPA
Synonyms	APAA; UCE
Gene ID	51172
mRNA Refseq	NM_016256.3
Protein Refseq	NP_057340.2
MIM	607985
UniProt ID	Q9UK23

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