

Recombinant Mouse Nagpa Protein, Myc/DDK-tagged

Cat. No. Nagpa-4284M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase (Nagpa), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the second step in the formation of the mannose 6-phosphate targeting signal on lysosomal enzyme oligosaccharides by removing GlcNAc residues from GlcNAc- α -P-mannose moieties, which are formed in the first step. Also hydrolyzes UDP-GlcNAc, a sugar donor for Golgi N-acetylglucosaminyltransferases.
Molecular Mass	56.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μ g/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Nagpa N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase [Mus musculus (house mouse)]
Official Symbol	Nagpa
Synonyms	Nagpa; N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase; UCE; AI596180; N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase; alpha-GlcNAcase; mannanose 6-phosphate-uncovering enzyme; phosphodiester alpha-GlcNAcase; EC 3.1.4.45
Gene ID	27426
mRNA Refseq	NM_013796
Protein Refseq	NP_038824
UniProt ID	Q8BJ48

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