

NAGA Protein, Human (HEK293, His)

Cat. No.:	HY-P73753
Synonyms:	Alpha-N-acetylgalactosaminidase; Alpha-galactosidase B; NAGA
Species:	Human
Source:	HEK293
Accession:	P17050 (L18-Q411)
Gene ID:	4668
Molecular Weight:	Approximately 46 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	NAGA protein serves a pivotal role in cellular metabolism by catalyzing the removal of terminal alpha-N-acetylgalactosamine residues from glycolipids and glycopeptides. This enzymatic activity is essential for the efficient breakdown of glycolipids, contributing to the overall catabolic processes within the cell. NAGA's capacity to cleave these specific residues underscores its significance in regulating glycolipid degradation, reflecting its importance in maintaining cellular homeostasis and proper functioning.
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Caution: Product has not been fully validated for medical applications. For research use only.

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