

Recombinant Human NANS/SAS Protein (His Tag)

Catalog Number:PKSH032780



Note: Centrifuge before opening to ensure complete recovery of vial contents.

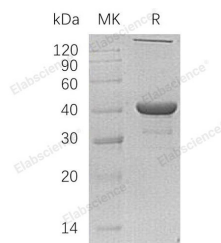
Description

Synonyms	Sialic Acid Synthase;N-Acetylneuraminase Synthase;N-Acetylneuraminase-9-Phosphate Synthase;N-Acetylneuraminic Acid Phosphate Synthase;N-Acetylneuraminic Acid Synthase;NANS;SAS
Species	Human
Expression Host	E.coli
Sequence	Met 1-Ser359
Accession	AAH19315.1
Calculated Molecular Weight	42.4 kDa
Observed molecular weight	42 kDa
Tag	N-His

Properties

Purity	> 80 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 100mM NaCl, pH 8.0.
Reconstitution	Not Applicable

Data



> 80 % as determined by reducing SDS-PAGE.

Background

Sialic Acid Synthase (NANS) is an enzyme that contains one AFP-like domain. NANS is ubiquitous and plays a role in the biosynthetic pathways of sialic acids. NANS produces N-acetylneuraminic acid (Neu5Ac) and 2-keto-3-deoxy-D-glycero-D-galacto-nononic acid (KDN). It also can use N-acetylmannosamine 6-phosphate and mannose 6-phosphate as substrates to generate phosphorylated forms of Neu5Ac and KDN, respectively.

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