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Datasheet for ABIN7318801 **NANS Protein (His tag)**

Overview

Quantity:	50 µg
Target:	NANS
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NANS protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human NANS/SAS Protein (His Tag)
Sequence:	Met 1-Ser359
Characteristics:	Recombinant Human N-Acetylneuraminate Synthase is produced by our E.coli expression system and the target gene encoding Met1-Ser359 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	NANS
Alternative Name:	NANS/SAS (NANS Products)
Background:	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

Target Details

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.

Synonym: Sialic Acid Synthase, N-Acetylneuraminate Synthase, N-Acetylneuraminate-9-Phosphate Synthase, N-Acetylneuraminic Acid Phosphate Synthase, N-Acetylneuraminic Acid Synthase, NANS, SAS

Molecular Weight: 42.4 kDa

UniProt: [Q9NR45](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM Tris, 100 mM NaCl, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.