

# Recombinant Human NANS/SAS Protein (His Tag)

Catalog Number:PKSH032780



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

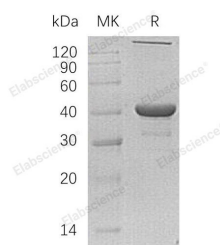
## Description

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

## Properties

<b>Purity</b>	> 80 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	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.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 100mM NaCl, pH 8.0.
<b>Reconstitution</b>	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.

## For Research Use Only

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