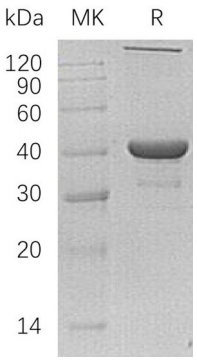
Product Name: Recombinant Human NANS (N-6His)
Catalog #: PEH1189

Summary

Name	NANS/N-acetylneuraminate synthase
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	AAH19315.1
Host	E.coli
Species	Human
Predicted Molecular Mass	42.4 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Sialic Acid Synthase; N-Acetylneuraminate Synthase; N-Acetylneuraminate-9-Phosphate Synthase; N-Acetylneuraminic Acid Phosphate Synthase; N-Acetylneuraminic Acid Synthase; NANS; SAS

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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.

Note

For Research Use Only , Not for Diagnostic Use.