

Datasheet for ABIN7319031 **SIAE Protein (His tag)**



[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	SIAE
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIAE protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human SIAE Protein (Human Cells, His Tag)
Sequence:	Ile24-Lys523
Characteristics:	Recombinant Human Sialate O-Acetyltransferase is produced by our Mammalian expression system and the target gene encoding Ile24-Lys523 is expressed with a 6His tag at the C-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:	SIAE
Alternative Name:	SIAE (SIAE Products)
Background:	Background: Sialate O-Acetyltransferase (SIAE) belongs to the family of hydrolases, specifically those acting on carboxylic ester bonds. SIAE is widely expressed with high expression levels in

Target Details

the testis, prostate, and colon. SIAE catalyzes N-acetyl-O-acetylneuraminate and H₂O to N-acetylneuraminate and acetate. SIAE removes O-acetyl ester groups from position 9 of the parent sialic acid, N-acetylneuraminic acid. SIAE down-regulates B lymphocyte antigen receptor signaling (involving CD22), and is required for immunological tolerance. Loss of function mutations in SIAE are much more frequently found in humans with autoimmune diseases especially rheumatoid arthritis and type 1 diabetes.

Synonym: Sialate O-Acetylerase, H-Lse, Sialic Acid-Specific 9-O-Acetylerase, SIAE, YSG2,AIS6,CSE-C,CSEC

Molecular Weight: 57.0 kDa

UniProt: [Q9HAT2](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl,150 mM NaCl,10 % Glycerol, pH 7.5.

Storage: -20 °C

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