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Datasheet for ABIN7198000 SIAE Protein (His tag)

Overview

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

Product Details

Purpose:	Recombinant Human SIAE Protein (Baculovirus, His Tag)
Sequence:	Met 1-Lys523
Characteristics:	A DNA sequence encoding the human SIAE (Met 1-Lys523) (Q9HAT2-1) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 97 % 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 belongs to the family of hydrolases, specifically those acting on carboxylic ester bonds. It is widely expressed with high expression in the testis, prostate, and colon. The systematic name of this enzyme class is N-acyl-O-acetylneuraminate

Target Details

O-acetylhydrolase. Other names in common use include N-acetylneuraminate acetyltransferase, sialate 9(4)-O-acetylesterase, and sialidase. Sialate O-acetylesterase catalyzes the removal of O-acetyl ester groups from position 9 of the parent sialic acid, N-acetylneuraminic acid. Defects in Sialate O-acetylesterase are a cause of autoimmune disease type 6 (AIS6). Individuals manifesting susceptibility to autoimmune disease type 6 can suffer from juvenile idiopathic arthritis, rheumatoid arthritis, multiple sclerosis, Sjogren syndrome, systemic lupus erythematosus, type 1 diabetes, ulcerative colitis, and Crohn disease.

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

Molecular Weight: 57.4 kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 8.0

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.