

Active Recombinant Full Length Human sialic acid acetyltransferase protein, His tagged

Cat. No. SIAE-10HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human sialic acid acetyltransferase protein with a C-terminal 6-His tag was expressed in Chinese Hamster Ovary cell line.
Species	Human
Source	CHO
ProteinLength	1-523 aa
Description	Catalyzes the removal of O-acetyl ester groups from position 9 of the parent sialic acid, N-acetylneuraminic acid.
Bio-activity	Measured by its ability to hydrolyze p-nitrophenylacetate. The specific activity is > 25000 pmol/min/μg, as measured under the described conditions.
Molecular Mass	57 kDa
N-terminal Sequence Analysis	Ile24
Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	> 95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.

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Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 3 months, -20 to -70 centigrade under sterile conditions after opening.
Storage Buffer	Supplied as a 0.2 µm filtered solution in Tris and NaCl.
Shipping	The product is shipped with polar packs.
Reference	1. Higa, H.H. et. al. (1987) Biochem. Biophys. Res. Commun. 144:1099. 2. Orizio, F. et. al. (2015) Glycobiology 9:992. 3. Zhu, H. et. al. (2004) J. Biomed. Biotechnol. 3:130.

GENE INFORMATION

Gene Name	SIAE sialic acid acetyltransferase [Homo sapiens (human)]
Official Symbol	SIAE
Synonyms	SIAE; sialic acid acetyltransferase; YSG2, Ysg2 homolog (mouse); sialate O-acetyltransferase; CSE C; LSE; MGC87009; sialic acid specific acetyltransferase II; H-Lse; sialic acid-specific acetyltransferase II; cytosolic sialic acid 9-O-acetyltransferase homolog; AIS6; CSEC; YSG2; CSE-C;
Gene ID	54414
mRNA Refseq	NM_001199922
Protein Refseq	NP_001186851
MIM	610079

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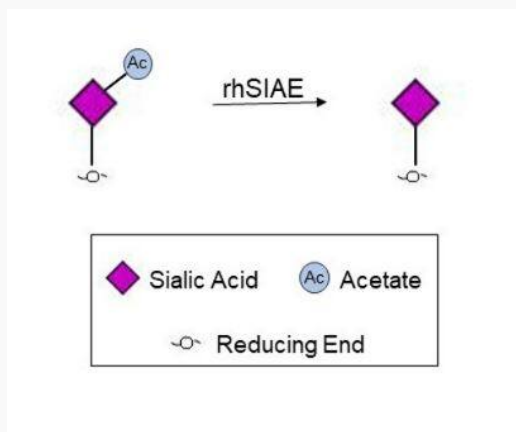
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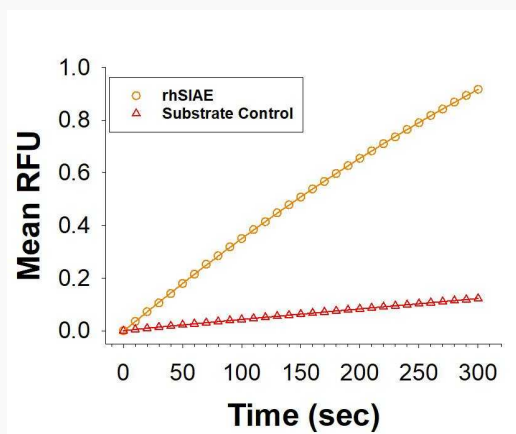
UniProt ID

Q9HAT2

Enzyme Activity



Enzyme Activity



SDS-PAGE

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