

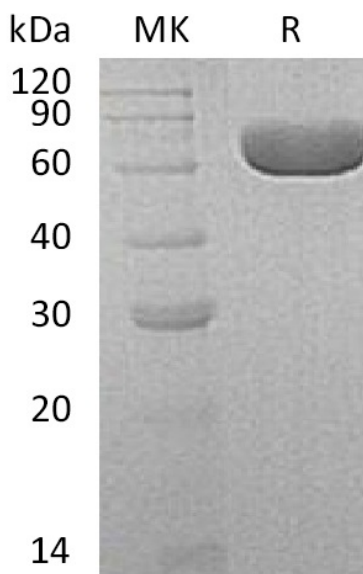
Product Name: Recombinant Human SIAE (C-6His)
Catalog #: PHH1524



Summary

Name	Sialate O-acetyltransferase/SIAE
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	Q9HAT2
Host	Human Cells
Species	Human
Predicted Molecular Mass	57 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 7.5.
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



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Alternative Names

Sialate O-Acetyltransferase; H-Lse; Sialic Acid-Specific 9-O-Acetyltransferase; SIAE; YSG2

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 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.

Note

For Research Use Only , Not for Diagnostic Use.