

Recombinant Full Length Mouse SIAE Protein, His tagged

Cat. No. SIAE-15119M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Mouse
Source	HEK293
ProteinLength	22-541 aa
Description	Predicted to enable sialate O-acetyltransferase activity. Predicted to be involved in carbohydrate metabolic process and regulation of immune system process. Located in lysosome. Is expressed in several structures, including abdominal fat pad; central nervous system; genitourinary system; immune system; and yolk sac. Human ortholog(s) of this gene implicated in autoimmune disease. Orthologous to human SIAE (sialic acid acetyltransferase).
Molecular Mass	60 kDa
AA Sequence	AGIGFRFASYIDNYMVLQKEPSGAVIWGFGTPGATVTVTLCQGQETIMKKVTSVKEP SNTWMVVLDPMPKPGGPFEVMAQQTLGTMNFTLRVHDLVFGDVWLCSGQSNMQM TVSQIFNASKELSDTAAYQSVRIFSVSLIQSEEELDDLTEVDLSWSKPTAGNLGHGNF TYMSAVCWLFGRYLYDTLQYPIGLVSSSWGGTYIEVWSSRRTLKACGVPNTRDERV GQPEIKPMRNECNSEESSCPFRVVPVSVRVTPGTRHSLVWNAMIHPLQNMTLKGVV WYQGESNADYNRDLYTCMFPELIEDWRQTFHYGSQGQTDRFFPFGFVQLSSYMLK NSSDYGFPEIRWHQTADFGHVPNPKMPNTFMAVAIDLCDRDSPPFGSIHPRDKQTVA YRLHLGARAVAYGEKNLTFQGPLPKKIELLASNGLLNLTVDQEIQVQMMDNKTFEISC

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CSDRHCKWLPAPVNTFSTQTLILDNLNACLGTVVAVRYAWTTWPCEYKQCAVYHTSS
MLPAPPFIAQISHRGIHHHHHHHHH

Purity > 90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer Sterile PBS, pH7.4

Concentration 0.22 mg/mL by BCA

GENE INFORMATION

Gene Name [Siae sialic acid acetylerase \[Mus musculus \(house mouse\) \]](#)

Official Symbol [SIAE](#)

Synonyms SIAE; sialic acid acetylerase; sialate O-acetylerase; clone 165; yolk sac gene 2; yolk sac protein 2; sialic acid-specific 9-O-acetylerase; LSE; Ysg2

Gene ID [22619](#)

mRNA Refseq [NM_011734](#)

Protein Refseq [NP_035864](#)

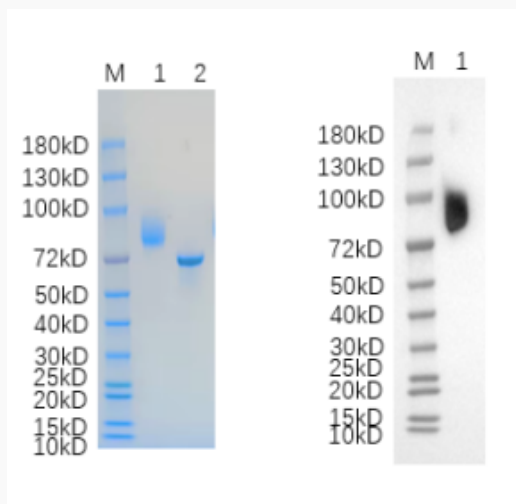
UniProt ID [P70665](#)

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Reducing 4%-20%
SDS-PAGE (CBB
stained) and WB
(Anti-His Mouse
Monoclonal
antibody) analysis
profiles of purified
SIAE



1. SIAE: 1 µg 2. BSA: 1 µg

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