

Recombinant Full Length Human SIAE Protein, C-Flag-tagged

Cat. No. SIAE-1472HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SIAE Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes an enzyme which removes 9-O-acetylation modifications from sialic acids. Mutations in this gene are associated with susceptibility to autoimmune disease 6. Multiple transcript variants encoding different isoforms, found either in the cytosol or in the lysosome, have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	58.1 kDa
AA Sequence	MVAPGLVLGLVPLILWADRSAGIGFRFASYINNDMVLQKEPAGAVIWGFGTPGATV TVTLRQGQETIMK KVTSVKAHSDTWMVVLDPMPKGGPFVMAQQTLEKINFTLRVH DVLFQDVLWLCGQSNMQMTVLQIFNAT RELSNTAAYQSVRILSVSPIAQAEQELEDL VAVDLQWSKPTSENLGHGYPKYMSAVCWLFGRHLYDTLQYP IGLIASSWGGTPIEA WSSGRSLKACGVPKQGSIPYDSVTGPSKHSVLWNAMIHPLCNMTLKGVVWYQGES NINYNTDLYNCTFPALIEDWRETFHRGSQGGQTERFFPFGLVQLSSDLSKKSSDDGFP QIRWHQTADFGYV PNPKMPNTFMAMVAMDLCDRDSPFGSIHPRDKQTVAYRLHLGA RALAYGEKNLTFEGPLPEKIELLAHKGL LNLTYQYQIQVQKKDNKIFEISCCSDHRCK WLPASMTNTVSTQSLTLAIDSCHGTVVALRYAWTTWPCEYK

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	QCPLYHPSSALPAPPFIAFITDQGPGHQSNVAKTRTRPLEQKLISEEDLAANDILDYK DDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	SIAE sialic acid acetylerase [Homo sapiens (human)]
Official Symbol	SIAE
Synonyms	LSE; AIS6; CSEC; YSG2; CSE-C
Gene ID	54414
mRNA Refseq	NM_170601.5
Protein Refseq	NP_733746.1

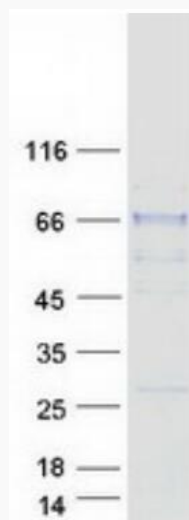
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MIM 610079

UniProt ID Q9HAT2



Coomassie blue staining of purified SIAE protein.

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