

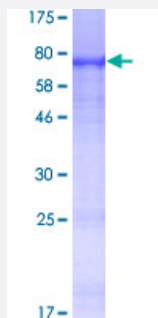
Full-Length

SIAE (Human) Recombinant Protein (P01)

Catalog # H00054414-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SIAE full-length ORF (NP_733746.1, 1 a.a. - 523 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MVAPGLVLGLVPLILWADRSAGIGFRFASYINNDMVLQKEPAGAVIWGFGTPGATVTVTLRQGQE
TIMKKVTSVKAHSDTWMVLDPMKPGGPFVMAQQTLEKINFTLRVHDVLFGDVWLCSGQSNM
QMTVLQIFNATRELSNTAAYQSVRILSVPIQAEQELEDLVAVDLQWSKPTSENLGHYFKYMSAV
CWLFGRHLYDTLQYPIGLIASSWGGTPIEAWSSGRSLKACGVPKQGSIPYDSVTGPSKHSVLWNA
MIHPLCNMTLKGVVWYQGESNINYNTDLYNCTFPALIEDWRETFHRGSQQQTERFFPFGLVQLSS
DLSKKSSDDGFPQIRWHQTADFGYVPNPMPNTFMAVAMDLCDRDSPFGSIHPRDKQTVAYRL
HLGARALAYGEKNLTFEGLPEKIELLAHKLLNLTYQQIQVQKKDNKIFEISCCSDHRCKWLPAS
MNTVSTQSLTLAIDSCHGTVALRYAWTTWPCEYKQCPLYHPSSALPAPPFIAFITDQGPGHQSNV
AK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

84.7

Interspecies Antigen Sequence

Mouse (76); Rat (75)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SIAE

Entrez GeneID	54414
GeneBank Accession#	NM_170601.3
Protein Accession#	NP_733746.1
Gene Name	SIAE
Gene Alias	CSE-C, LSE, MGC87009, YSG2
Gene Description	sialic acid acetyltransferase
Omim ID	610079
Gene Ontology	Hyperlink
Gene Summary	Sialic acids are acidic 9-carbon sugars typically found at the nonreducing end of sugar chains. They are frequently modified by 9-O-acetylation, and this modification is removed by sialic acid acetyltransferases. SIAE appears to encode both lysosomal and cytosolic sialic acid acetyltransferase isoforms (LSE and CSE, respectively) (Takematsu et al., 1999 [PubMed 10464298]).[supplied by OMIM]
Other Designations	Ysg2 homolog cytosolic sialic acid 9-O-acetyltransferase homolog sialic acid-specific acetyltransferase II

Disease

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