

## Product datasheet for **SC329594**

### SIAE (NM\_001199922) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SIAE (NM\_001199922) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SIAE  
**Synonyms:** AIS6; CSE-C; CSEC; LSE; YSG2  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329594 representing NM\_001199922.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGTGCTGCAGAAGGAGCCTGCTGGGGCAGTGATATGGGGCTTCGGTACACCTGGAGCCACAGTGACC
GTGACCCGTGCGCCAAGGTCAGGAAACCATCATGAAGAAAGTGACCAGTGTAAAGCTCACTCTGATACG
TGGATGGTGGTACTGGATCCTATGAAGCCTGGAGGACCTTTCGAAGTGATGGCACAACAGACTTTGGAG
AAAATAAACTTCACCCTGAGAGTTCATGACGTCCTGTTTGGAGATGTCTGGCTCTGTAGTGGCAGAGT
AACATGCAGATGACTGTGTACAGATATTTAATGCTACAAGGGAGTTGTCTAACACTGCGGCATATCAG
TCTGTCCGCATCCTCTGTCTCTCCCATTCAAGCAGAGCAGGAGCTGGAGGACCTTGTTCGGTGTGAC
TTGCAGTGGTCTAAGCCACCTCAGAAAACCTTAGGCCATGGATATTTCAAGTACATGTCAGCAGTGTGC
TGGCTCTTTGGACGTCACCTTATGACACTCTGCAGTATCCCATCGGGCTGATCGCCTCCAGCTGGGGC
GGGACACCCATTGAAGCCTGGTCATCTGGACGGTCACTGAAAGCCTGTGGGGTCCCCTAAACAAGGGTCC
ATTCCATACGATTCTGTAAGTGGTCCCAGTAAGCACTCTGTTCTCTGGAATGCCATGATCCATCCACTG
TGCAATATGACTCTGAAAGGGGTAGTATGGTACCAGGGGGAGTCCAATATAAATTATAACACGGATCTG
TACAATTGCACATTCCCTGCACTCATCGAAGACTGGCGTGAAACCTTCCACCGTGGTCCCAGGGGCAG
ACGGAGCGTTTCTCCCATTTGGACTTGTCCAGTTATCTTCAGATTTGTCTAAGAAGAGCTCAGACGAT
GGATTTCCCAGATCCGTTGGCATCAAACAGCAGACTTCGGCTATGCCCCAACCCAAAGATGCCCAAT
ACTTTCATGGCTGTAGCTATGGATCTCTGTGATAGAGACTCGCCTTTTGGCAGCATCCACCCTCGAGAT
AAACAGACTGTGGCTTATCGGCTGCATTTGGGGGCCCGTCTGCTGCTTATGGTGAGAAGATTTGACC
TTTGAAGGACCACTGCCTGAGAAGATAGAACTCTTGGCTCACAAGGGGCTGCTCAATCTCACATATTAC
CAGCAATCCAGGTGCAGAAAAAGGACAACAAGATATTTGAGATCTCCTGTTGCAGTGACCATCGATGC
AAGTGGCTTCCAGCTTCTATGAACACCGTCTCCACCCAGTCCCTGACCCTGGCGATCGATTCTTGTGCAT
GGCACTGTGGTGTCTCCGCTATGCTTGGACCACGTGGCCTTGTGAATATAAGCAGTGTCCCCTATAC
CACCCAGTAGTCCCTGCCAGCCCTCCCTTCATTGCTTTCATTACAGACCAGGGTCTGGACATCAG
AGCAATGTTGCTAAATGA
```

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001199922  
**Insert Size:** 1467 bp



<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001199922.1</a>
<b>RefSeq Size:</b>	3038 bp
<b>RefSeq ORF:</b>	1467 bp
<b>Locus ID:</b>	54414
<b>UniProt ID:</b>	<a href="#">Q9HAT2</a>
<b>Cytogenetics:</b>	11q24.2
<b>MW:</b>	54.6 kDa
<b>Gene Summary:</b>	<p>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.[provided by RefSeq, Feb 2011]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding region compared to variant 1. The resulting protein (isoform 2) has a distinct N-terminus. Isoform 2, also referred to as Cse, is the cytosolic form of the protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>