

Product datasheet for **MC202588**

St8sia4 (NM_009183) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St8sia4 (NM_009183) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	St8sia4
Synonyms:	PST; PST-1; SIAT8-D; Siat8d; ST8SialV
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC060112 sequence for NM_009183
GCTGCAGAAGAAACCGCCACCTCCAATGCACAAGGTGTCACATTTGAAAAGAAACCTGAGCCCCAGGGAG
GCGGCGCAGAGCGACCCGGGCCGGTAAGCGCTAACTGCGCGGCAGGGAGCTGGGCAGCGCTGGAGAACC
GGGAGAGCTCCACCGCTGAACATCCTAGCGACCTGATTCTGGGATCTCGGCTCCAGCTCCCTTCGCAAT
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CGGAGATGGTGAAGTGTGTTGAGCAGATCACTTGTCAACAGCTCTGATAAAATCATCCGGAAGGCTGGC
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CATACACTATGTGCTGGACAGACGCCGGACCTAAATATTTCTCACAACTGCATAGCCTCCTGCCTGAA
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CAGTGAATCCATGACATGAAGCAACTTGAGGAAACGCTTTCAGTCAGGACACTGAGAATGGTCATGTTT
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 CAAGAAGAGAAAAAGTTTCCAGATAGCTTTGCTGCATAGGATAATTGCTACTGAGCCTTTCTTATACCA
 TCTGTGAAAGGAAGGATGAAGCTTACTCTGTAGGTTTCTTCTGATCAACAATATCTTCTGTTGTTTGTG
 CATAGCAATGGACTATTACTGCTTTATCATTGTACAATTGTAATAAATAAATTAATTTACTTGTTTTTCAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	Ascl-NotI
ACCN:	NM_009183
Insert Size:	1080 bp
OTI Disclaimer:	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).
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	BC060112 , AAH60112
RefSeq Size:	5414 bp
RefSeq ORF:	1080 bp
Locus ID:	20452
UniProt ID:	Q64692
Cytogenetics:	1 D
Gene Summary:	<p>Catalyzes the polycondensation of alpha-2,8-linked sialic acid required for the synthesis of polysialic acid (PSA), which is present on the embryonic neural cell adhesion molecule (N-CAM), necessary for plasticity of neural cells.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>