

Product datasheet for **SC319610**

Munc18 1 (STXBP1) (NM_001032221) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Munc18 1 (STXBP1) (NM_001032221) Human Untagged Clone
Tag:	Tag Free
Symbol:	Munc18 1
Synonyms:	DEE4; MUNC18-1; N-Sec1; NSEC1; P67; RBSEC1; unc-18A; UNC18; unc18-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001032221.1
 GCGGCTGCGGGGCGGAGAGCTGCGGCTGGCCAGCGCGCCACCTGAGGAGGCGGCGGG
 TCCGCAGGCGTCGCGGGACGAGGAGATCGGAGCCGGGAGACTCGCGCAGCGCCATGGCC
 CCATTGGCCTCAAAGCTGTTGTGCGGAGAGAAGATTATGCATGATGTGATAAAGAAGGTCA
 AGAAGAAGGGGAATGGAAGGTGCTGGTGGTGGATCAGTTAAGCATGAGGATGCTGTCT
 CCTGCTCAAGATGACAGACATCATGACCGAGGGCATAACGATTGTGGAAGATATCAATA
 AGCGCAGAGAGCCGCTCCCCAGCCTGGAGGCTGTGTATCTCATCACTCCATCCGAGAAGT
 CCGTCCACTCTCTCATCAGTGACTTTAAGGACCCGCCGACTGCTAAATACCGGGCTGCAC
 ACGTCTTCTTCACTGACTCTTGTCCAGATGCCCTGTTTAACTGGTAAAAATCCCGAG
 CAGCCAAAGTCATCAAACTCTGACGAAATCAATATTGCATTTCTCCCGTATGAATCCC
 AGGTCTATTCTTGGACTCTGCTGACTCTTTCCAAAGCTTCTACAGTCCCACAAGGCTC
 AGATGAAGAATCCTATACTGGAGCGCTGGCAGAGCAGATCGCGACCCTTTGTGCCACC
 TGAAGGAGTACCCGGCTGTGCGGTATCGGGGGAATAACAAGACAATGCCCTGCTGGCTC
 AGCTAATCCAGGACAAGCTCGATGCCTATAAAGCTGATGATCCAACAATGGGGAGGGCC
 CAGACAAGGCACGCTCCCAGCTCCTGATCCTGGATCGAGGCTTTGACCCAGCTCCCTG
 TGCTCCATGAATTGACTTTTCAGGCTATGATTTATGATCTGCTGCCTATCGAAAAATGATG
 TATAAAGTATGAGACCAGCGGCATCGGGGAGGCACGGGTGAAGGAGGTGCTCCTGGACG
 AGGACGACGACCTGTGGATAGCACTGCGCCACAAGCACATCGCAGAGGTGTCCCAGGAAG
 TCACCCGGTCTCTGAAAGATTTTCTTCTAGCAAGAGAATGAATACTGGAGAGAAGACCA
 CCATGCGGGACCTGTCCCAGATGCTGAAGAAGATGCCTCAGTACCAGAAAAGAGCTCAGCA
 AGTACTCCACCCACCTGCACCTTGTGAGGACTGTATGAAGCATTACCAAGGCACCGTAG
 ACAAACTCTGCCGAGTGGAGCAGGACCTGGCCATGGGCACAGATGCTGAGGGAGAGAAGA
 TCAAGGACCCTATGCGAGCCATCGTCCCATTCTGCTGGATGCCAATGTCAGCACTTATG
 AAAAAATCCGCATCATCTTCTCTACATCTTTTTGAAGAATGGCATCACGGAGGAAAACC
 TGAACAACTGATCCAGCAGCCAGATACCCCGGAGGATAGTGAGATCATCACCAACA
 TGGCTCACCTCGGCGTGCCCATCGTCACCGATTCCACGCTGCGTCGCGGAGCAAGCCGG
 AGCGGAAGGAACGCATCAGCGAGCAGACCTACCAGCTCTCACGGTGGACTCCGATTATCA
 AGGACATCATGGAGGACACTATTGAGGACAACTTACACCAAACTACCCTTATATCT
 CTACCCGTTCTCTGCTCCTTACGACACCACCGCCGTCAGCGCCCGCTATGGGACTGGC
 ATAAGAACAAGGCCCCAGGCGAGTACCGCAGTGGCCCCCGCTCATTTTTATCCTTG
 GGGGTGTGAGCCTGAATGAGATGCGCTGCGCCTACGAGGTGACCCAGGCCAACGAAAGT
 GGGAGGTGCTGATAGGATCCACACACATCCTCACCCACAGAACTGCTGGACACACTGA
 AGAACTGAATAAAACAGATGAAGAAATAGCAGTTAAAAAATAGTCCGCCCTCCAAA
 ACACGCCCCCATCCCACAGCGCTCCGCAGCTTCCCACCACCGCCCGCTCAGTTCCTTTG
 CGTCTGTTGCCTCCCAGCCCTGACGCGCTGGCTGGCACTGTTGCCGCTGCATTCTCGT
 GTTCAGTGATGCCTCTTCTGTTTGAACAAAAGAAAATAATGCATTGTGTTTTTAA
 AA

Restriction Sites: Please inquire

ACCN: NM_001032221

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001032221.1</u> , <u>NP_001027392.1</u>
RefSeq Size:	3773 bp
RefSeq ORF:	1785 bp
Locus ID:	6812
UniProt ID:	<u>P61764</u>
Cytogenetics:	9q34.11
Gene Summary:	<p>This gene encodes a syntaxin-binding protein. The encoded protein appears to play a role in release of neurotransmitters via regulation of syntaxin, a transmembrane attachment protein receptor. Mutations in this gene have been associated with infantile epileptic encephalopathy-4. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2010]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon in the 3' coding region that causes a frameshift, compared to variant 1. The resulting isoform (b) has a distinct and shorter C-terminus, compared to isoform a.</p>