

Product datasheet for **SC115628**

Munc18c (STXBP3) (NM_007269) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Munc18c (STXBP3) (NM_007269) Human Untagged Clone
Tag:	Tag Free
Symbol:	Munc18c
Synonyms:	MUNC18-3; MUNC18C; PSP; UNC-18C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC115628 sequence for NM_007269 edited (data generated by NextGen Sequencing)

```

ATGGCGCCGCGGTGGCAGAGAGGGGGCTAAAGAGCGTCGTGTGGCAGAAGATAAAAGCA
ACAGTGTTTGATGACTGCAAGAAAGAAGGCGAATGGAAGATAATGCTTTTAGATGAATTT
ACCACTAAGCTTTTGGCATCGTGTGCAAAATGACAGATCTTCTAGAAGAAGGTATTACT
GTTGTAGAGAATATTTATAAGAACCCTGAACTGTCAGACAAATGAAAGCTCTTTATTTT
ATCACTCCGACATCAAAGTCTGTAGATTGTTTCTTACATGATTTTGAAGTAAATCGGAG
AACCAAGTATAAAGCAGCATATATTTACTTCACTGACTTTTGCCTGATAATCTCTTAAAC
AAAATTAAGGCTTCTTGCTCCAAGTCAATAAGAAGATGTAAGAAATAAATATTTCTTTC
ATTCCACATGAATCTCAGGTGTACTCTTGATGTACCAGATGCATTCTATTACTGTTAT
AGTCCAGACCCTGGTAATGCAAAGGAAAAGATGCCATTATGGAACAATGGCTGACCAG
ATAGTTACAGTGTGTGCCACCTGGATGAAAATCCCGAGTAAGATATAAAAGTAAACCT
CTAGATAATGCCAGTAAGCTTGACAGCTTGTGAAAAAAGCTTGAAGACTACTACAAG
ATTGATGAAAAGGCCTAATAAAGGGTAAACTCATTACAGCTCTTAATAATTGATCGT
GGCTTTGATCCTGTGCCACTGTCTGCATGAACTGACCTTTTCCAGCAATGGCATATGAT
CTACTACCAATTGAGAATGATACATACAAATATAAAACAGATGGAAAAGAAAAGGAGGCC
ATCCTTGAAGAAGAAGATGACCTCTGGGTAGAATTCGACATCGACATATTGCGGTTGTG
TTAGAGGAAAATCCCAAGCTTATGAAAGAAATTTATCAACAAAGAAAGCAACAGAAGGA
AAGACATCACTTGTGCTTACCAGCTGATGAAAAGATGCCCATTTCCGAAAACAG
ATTACTAAGCAAGTTGTCATCTTAACCTTAGCAGAAGATTGCATGAATAAGTTCAAGCTT
AATATAGAAAAGCTCTGCAAACTGAACAGGACCTGGCACTTGGAACTGATGCAGAAGGA
CAGAAGGTGAAAGATCCATGCGAGTACTCCTTCCAGTTCTACTCAACAAAAATCATGAT
AATTGTGATAAAAATAAGAGCAATTTCTACTTTATATCTTCCAGTATTAATGGAACACGGAA
GAAAATTTGGACAGGTTGATCCAGAATGTAAGATAGAAAATGAGAGTGACATGATTCGT
AACTGGAGTTACCTTGGTTCCTTCCCAATCTCAACAAGGCAACCGTTAAGA
AAGGATCGGTCTGCAGAAGAACTTTTCCAGCTCTCTCGGTGGACACCTTTTATCAAAGAT
ATTATGGAGGATGCTATTGATAATAGATTAGATTCAAAGAATGGCCATATTGTTCCAG
TGTCCAGCAGTATGGAATGGTTCAGGAGCTGTAAGTGCTCGCCAGAAACCCAGAGCTAAT
TATTTAGAAGACCGAAAAATGGGTCAAAGCTGATTGTTTTTGAATTGGAGGGATCACA
TACTCTGAAGTGCCTTGTGCTTATGAAGTTTCTCAGGCACATAAATCCTGTGAAGTTATT
ATTGGTTCTACACATGTTTTAACACCCAAAAGCTGTTGGATGATATAAAGATGCTGAAT
AAACCAAGGATAAAGTCTCCTTAATTAAGATGAATAG
    
```

Clone variation with respect to NM_007269.2

5' Read Nucleotide Sequence: >OriGene 5' read for NM_007269 unedited

```

GTCGNAATTTGTATACGACTCCTATAGGGCGGCCGCAATTCGCACGAGGTTGGGAGTG
GAAGGTGGCGGCTGCTGCTCCGCATGTGGGAAGATGGCCGCCCGGTGGCAGAGAGGG
GCTAAAGAGCGTCGTGTGGCAGAAGATAAAAGCAACAGTGTGTTGATGACTGCAAGAAAGA
AGGCGAATGGAAGATAATGCTTTTAGATGAATTTACCACTAAGCTTTTGGCATCGTGTG
CAAAATGACAGATCTTCTAGAAGAAGGTATTACTGTTGTAGAGAATATTTATAAGAACC
TGAACCTGTCAGACAAATGAAAGCTCTTTATTTTCACTCCGACATCAAAGTCTGTAGA
TTGTTTCTTACATGATTTTGAAGTAAATCGGAGAACAAGTATAAAGCAGCATATATTTA
CTTCACTGACTTTTGCCTGATAATCTCTTTAACAAAAATAAGGCTTCTTGCTCCAAGTC
AATAAGAAGATGTAAGAAATAAATATTTCTTCCATTCCACATGAATCTCAGGTGTATAC
TCTTGATGTACCAGATGCATTCTATTACTGTTATAGTCCAGACCTGGTAAATGCAAAGGG
AAAAGATGCCATTATGGAACAATGGCTGACCAGATAGTTACAGTGTGTGCCACCCTTGG
ATGAAAATCCCGGAGTAAGATATAAAAGTAAACCCTCTAGATAATGCCAGTANGCCTTG
CACAGCTTGTGAAAAAAGCTTGTAGACTACTACAAGATTGATGAAAAGAGCCTATTA
AAGGTAAAAACCTATTACAGCTCTTATAATTGATCGTGGCTCTGATCCTGTGTCCTT
GCCTGCATGAACTGACCTTTTCCAGCAATGGCCTATGATCTACTACCCATTGGCCATGATA
CCTCCCATATATACCGATTGAACACAAAAG
    
```

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_007269 unedited AGAGTCGAGTNTTTATTTCTTTTTTTTTTTTTTTTTTTTTTAAATTTTATATTAATTTCT CTCTTAAAAGGCCCATGATTTTTGGTTTTCTAATTTAAACATACATGATTTCAAATTTAT ATAAAATTGGGTTCTTTAAAAGTATGTGGCAAAACAGTACACACTGGGAAATCACTCCAT TTCTATTAATGACTGAATTATTTTACACATAAACTGAATTTTAGTTGAAAGAAAACTAC ACTTTTTTGAAACAATTCTATCATACATATACATTTACAGTTTTCTACTTTTACAATCTC TTTATTTAAAATCATTCTTTCCCAAAAACATACTTCAGCATGAGACTTTTAGATATAAG TATCCAATGGGTAAATTAGTATGCACATAGGTGGCTGTGAAAAATTACCCACAACTTAAT ATATTTTCTCCAAAGGTGAAAAATTTCTTTTAGAAAGCACTTTAACATTTCTTCTCA TCATCTACAAAGCAGGAGCCCTATTTAACTACTAAAAATGACAAATCCAGTAATAATTA TAAACCGCCCTTAAAAATAGTTTTTAAAAGCCTTTATTCCATAGAATATTTACATTG CTTAAATAACCTGACAGCCACATTTTTCTTTCTATTTTATATCAACAAATACGAAAGAA CTTCTAACCCCTCCAAAAAGAAATGCTTTCCATTTTACATAAAGGAACCTTACCCCTGG GGGTAATCAACACTTTTTTATTCTCCACCACCTTTTGGTGTTAAACAATGTTCTAAAACA TATAACCTTCCCAGGATTTTGGCGCCGAAAACCTTCTACGCCAACCCCTCTAAAGGTT GGGACCCCTCAATTACAAAAACACCGTTTGAACCCTTTTTCGCGCCTCAATACAACT TCGGTTCTTGCACCCCTACAGTTTTCGAACCTTCATCTTGCAGCCCGGGAAAATGGCCCC TTCTCAACATACCTTACAACACNCTCCCATATCTCCAAAGGGCGCCCGAGAACCGATT TTTTTCCACCCTTCTTTACGGCGCCCTGGAACGGG
Restriction Sites:	NotI-NotI
ACCN:	NM_007269
Insert Size:	2780 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:	<u>NM_007269.1</u> , <u>NP_009200.1</u>
RefSeq Size:	2508 bp
RefSeq ORF:	1779 bp
Locus ID:	6814
UniProt ID:	<u>O00186</u>
Cytogenetics:	1p13.3

Domains: Sec1

Protein Families: Stem cell - Pluripotency

Gene Summary: Together with STX4 and VAMP2, may play a role in insulin-dependent movement of GLUT4 and in docking/fusion of intracellular GLUT4-containing vesicles with the cell surface in adipocytes.[UniProtKB/Swiss-Prot Function]