

Product datasheet for **SC333210**

Syntaxin 4 (STX4) (NM_001272096) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Syntaxin 4 (STX4) (NM_001272096) Human Untagged Clone
Tag: Tag Free
Symbol: Syntaxin 4
Synonyms: p35-2; STX4A
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC333210 representing NM_001272096.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGGATGACAGCTCGGACGAAGAGGACAAGGAGCGGGTCGCGCTGGTGGTGCACCCGGGCACGGCAC
GGCTGGGGAGCCCGGACGAGGAGTTCTTCCACAAGCCCTCTCGGTACCCTCCCCAGGTCGGGACAATT
CGGCAGACTATTGTCAAAGTGGGAATAAAGTCCAGGAGTTGGAGAAACAGCAGGTCACCATCCTGGCC
ACGCCCTTCCCAGGAGAGCATGAAGCAGGAGCTGCAGAACCTGCGCGATGAGATCAAACAGCTGGGG
AGGGAGATCCGCCTGCAGCTGAAGGCCATAGAGCCCCAGAAGGAGGAAGCTGATGAGAACTATAACTCC
GTCAACACAAGAATGAGAAAAACCCAGCATGGGGTCTGTCCCAGCAATTCGTGGAGCTCATCAACAAG
TGCAATTCATGCAGTCCGAATACCGGGAGAAGAACGTGGAGCGGATTCGGAGGCAGCTGAAGATACC
AATGCTGGGATGGTGTCTGATGAGGAGTTGGAGCAGATGCTGGACAGTGGGCAAAGCGAGGTGTTTGTG
TCCAATATCCTGAAGGACACGCAGGTGACTCGACAGGCCTTAAATGAGATCTCGGCCCGGCACAGTGAG
ATCCAGCAGCTTGAACGCAGTATTCGTGAGCTGCACGACATTTCACTTTTCTGGCTACCGAAGTGGAG
ATGCAGGGGGAGATGATCAATCGGATTGAGAAGAACATCCTGAGCTCAGCGGACTACGTGGAACGTGGG
CAGGAGCAGTCAAGACGGCCCTGGAGAACCAGAAGAAGGCGAGGAAGAAGAAAGTCTTGATTGCCATC
TGTGTGCCATCACCGTCGTCTCTAGCAGTCATCATTGGCGTCACAGTGGTTGGATAA
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001272096
Insert Size: 888 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).



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|-------------------------------|---|
| 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_001272096.1</u> |
| RefSeq Size: | 1516 bp |
| RefSeq ORF: | 888 bp |
| Locus ID: | 6810 |
| UniProt ID: | <u>Q12846</u> |
| Cytogenetics: | 16p11.2 |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | SNARE interactions in vesicular transport |
| MW: | 33.8 kDa |
| Gene Summary: | <p>Plasma membrane t-SNARE that mediates docking of transport vesicles. Necessary for the translocation of SLC2A4 from intracellular vesicles to the plasma membrane. Together with STXB3 and VAMP2, may also play a role in docking/fusion of intracellular GLUT4-containing vesicles with the cell surface in adipocytes (By similarity). May also play a role in docking of synaptic vesicles at presynaptic active zones.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains a distinct 5' UTR, initiates translation at an alternate upstream start codon and uses alternate splice sites at internal exons, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is longer than isoform 1.</p> |