

Product datasheet for **MC206318**

Slc30a7 (BC017136) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc30a7 (BC017136) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc30a7
Synonyms:	Zntl2, ZnT7, ZnT-7
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC017136
 GTCTGTGTCTGTGTCTCGCGCGGGTCCCGCGCGGTCAAGCGCTTTGGGGTCCGCGTTTGAAGCGTCACC
 GCTGTCACTGCCGCCACCATACCGAGTCACTTCTAGAGGGACGGAGACCCGGCCCTTCGCGGGTGGAGA
 AGATGTTGCCCTGTCCATCAAGGATGATGAATACAAACCACCAAGTTCAATCTGTTCCGCAAGATCTC
 AGGCTGGTTTAGGTCCATCCTGTGCGACAAGACATCCCGAACCTGTTTTCTTCTGTGCCTGAACCTC
 TCTTTTCGTTTTGTGGAAGTACTCTACGGCATCTGGAGCAACTGCCTAGGCTTGATCTCCGACTCCTTCC
 ACATGTTTTTTGATAGTACCGCCATATTGGCCGATTGGCAGCTTCTGTTATTTCAAAGTGGAGAGATAA
 TGACGCTTCTCTTATGGGTATGTTAGAGCAGAAGTCCTGGCTGGCTTTGTCAATGGGCTGTTTTGATC
 TCACTGCTTTCTTTATTTTCTCAGAAGGAGTCGAGAGAGCATTGGCTCCTCCAGATGTGCCACCACGAGA
 GACTGCTGCTTGTTCATTCTTGGATTGTGGTAAACCTAGTAGGAATATTTGTTTTCAATCATGGAGG
 TCACGGACATTCTCATGGCTCTGGCCATGGCCACAGTCATTCCCTCTTAAATGGTCTCTAGATCACAGC
 CATGGCCACGAAGATCATTGCCATAGTCACGAAGCCAAGCACGGAGCTGCGCACAGCCATGACCATGACC
 ACGCTCATGGCCATGGGCACCTGCATTCCACGATGGCCATCCTTCAAAGCAACGGCAGGACCCAGCAG
 ACAGATTTTACAAGGTGATTTTTACACATTCTAGCCGATACACTGGGAAGTATTGGTGAATTGCCTCT
 GCCATCATGATGCAAAATTTGGGTTGATGATAGCAGATCCTATCTGTTGATTCTTATAGCCATTCTTA
 TAGTTGTAAGTGTATTCCACTTTTAAAGAGAGTCTGTTGGAATATTAATGCAAAGAACTCCTCCCTCGTT
 GGAAAATACGCTTCCCCAGTGCTATCAGAGGGTCAACAGTTACAAGGAGTTTACAACCTGCAAGAACAG
 CACTTCTGGACACTCTGTCTGATGTTACGTGGGAACCTTGAAGCTCGTGGTAGCCCTGATGCTGACG
 CCAGGTGGATCTTAAGCCAAACGCATAATTTTTACTCAGGCTGGAGTGAGACAGCTTTATGTACAGAT
 TGACTTTGCGGCAATGTAGTCAAAGGAAGGAACTGATTGAGGACCAAACCTTCCAGTACTGTGCAGTC
 CAAAGCATTGACTACCCAGTGTCTGAAACAGAGACAGCAGCAGTCAACTCAGAAGCACAAGGACGC
 AGGTAGAGTCAGCCGCGTTCGAGCGGTGTACAGCCGGATCCTGCCAGACTGCTGCCTGTGTGCTTT
 CCCTTCAAGCCATTCTGACTGCTGAGGGTCTGGGTTCTTCTAGGGTATTGGGTTATCTTTCCCGGCTG
 AGGGTTCTTGCTGATCACACTCACCCATCCTTATCATCCACCCAGCCAGTGAGAAATTCAGACTGGAG
 GCCTTCAACCTTCTGAATGTCTTCACTAAAGCTGCTGAAACCACTGCTTTTATCCCATAAAACAGTG
 TTGTTTTTACAAAAGAAGTCTGTTTTCTATGTAATGTCACAGTTGTTGACGTTCTTCAAGTGAATCATA
 TGTTTTGAGAAATAGTTTGTACCTTCAAACCTTACAAACCAAACCATATTGGGTTTTCAAAGTGCCTTTG
 TATCAGAAATATATTGCCAGCATAGAAATGTACCATCAAAGGTCATGTGTATGTTTTTAAAAATGGG
 TATTCTGTAATTTGTACAAAATAAGACTTGCTAGTAACATACATAATTGTCTTTGTGATTTCCAACATA
 GATTTATTTGCTTTATAAAAAATCCAGTTATCACATTAATAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC017136

Insert Size: 1137 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:

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: [BC017136](#), [AAH17136](#)

RefSeq Size: 2015 bp

RefSeq ORF: 1137 bp

Locus ID: 66500

Cytogenetics: 3 G1

Gene Summary: Seems to facilitate zinc transport from the cytoplasm into the Golgi apparatus. Partly regulates cellular zinc homeostasis. Required with ZNT5 for the activation of zinc-requiring enzymes, alkaline phosphatases (ALPs). Transports zinc into the lumens of the Golgi apparatus and the vesicular compartments where ALPs locate, thus, converting apoALPs to holoALPs. Required with ZNT5 and ZNT6 for the activation of TNAP (By similarity). [UniProtKB/Swiss-Prot Function]