

Product datasheet for **SC111532**

SLC30A7 (NM_133496) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC30A7 (NM_133496) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC30A7
Synonyms:	ZnT-7; ZNT7; ZnTL2
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_133496, the custom clone sequence may differ by one or more nucleotides

```
ATGTTGCCCTGTCCATCAAAGACGATGAATACAAACCACCCAAGTTCAATTTGTTTCGGCAAGATCTCGG
GCTGGTTTAGGTCTATACTGTCCGACAAGACTTCCCGGAACCTGTTTTCTTCTGTGCCTGAACCTCTC
TTTCGCTTTTGTGGAAGTACTCTACGGCATCTGGAGCAACTGCTTAGGCTTGATTTCCGACTCTTTTCAC
ATGTTTTTCGATAGCACTGCCATTTTGGCTGGACTGCCAGCTTCTGTTATTTCAAATGGAGAGATAATG
ATGCTTTCTCCTATGGGTATGTTAGAGCGGAAGTTCTGGCTGGCTTTGTCAATGGCCTATTTTTGATCCT
CACTGCTTTTTTATTTTCTCAGAAGGAGTTGAGAGAGCATTAGCCCTCCAGATGTCCACCATGAGAGA
CTGCTTCTGTTTCCATTCTTGGGTTTGTGGTAAACCTAATAGGAATATTTGTTTTCAAACATGGAGGTC
ATGGACATTCTCATGGCTCTGGCCACGGACACAGTCATTCCCTCTTAATGGTGCTCTAGATCAGGCACA
TGGCCATGTCGATCATTGCCATAGCCATGAAGTGAAACATGGTGCTGCACATAGCCATGATCATGCTCAT
GGACATGGACACTTTTATTCTCATGATGGCCCGTCCTTAAAAGAAACAACAGGACCCAGCAGACAGATTT
TACAAGGTGATTTTTACATATCCTAGCAGATACACTTGAAGTATTGGTGTAATTGCTTCTGCCATCAT
GATGCAAAATTTTGGTCTGATGATAGCAGATCCTATCTGTTCAATTCTTATAGCCATTCTATAGTTGTA
AGTGTTATTCCTCTTTAAGAGAATCTGTTGGAATATTAATGCAGAGAAGTCTCCCTATTAGAAAATA
GTCTGCCTCAGTGCTATCAGAGGTACAGCAGTTGCAAGGAGTTTACAGTTTACAGGAACAGCACTCTG
GACTTTATGTTCTGACGTTTATGTTGGGACCTTAAAATTAATAGTAGCACCTGATGCTGATGCTAGGTGG
ATTTTAAGCCAAACACATAATATTTTTACTCAGGCTGGAGTGAGACAGCTCTACGTACAGATTGACTTTG
CAGCCATGTAG
```



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_133496 unedited CTTCTAACCCGCCGTTGNAGTAAAGGGCGGTAGGCGTGTACGGTGGNGAGTCTATATAA GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTTGCAGCGGCCG CGAATTCGGCACGAGGGCGCGGCCCGGACAAGCGCTGGGGATTCCCGTTTGAGGCGTCA CTACTGTACTGCCATCACCCACGGAGCCTCTCTAGAGGGGAGTAGACCCGGCCCTTC GCCGGCAGAGAAGATGTTGCCCTGTCCATCAAAGACGATGAATACAAACCACCCAAGT TCAATTTGTTTCGGCAAGATCTCGGGCTGGTTTAGGTCTATACTGTCCGACAAGACTTCCC GGAACCTGTTTTTCTTCCTGTGCCTGAACCTCTCTTTTCGCTTTTGTGGACTACTCTACG GCATCTGGAGCAACTGCTTAGGCTTGATTTCCGACTCTTTTCACATGTTTTTCGATAGCA CTGCCATTTTGGCTGGACTGGCAGCTTCTGTTATTTCAAATGGAGAGATAATGATGNCT TTCTCTATGGGTATGTTAGAGCGAAAGTCTGGCTGGCTTTGTCAATGGCCCTATTTTTG ATCTTCACTGCTTTTTTATTTTCTCAGAAGGAGTTGAGAGAGCAATTACCCCTTCAGAT GTTACCATGAGAGACTGCTTNNCTGTTCCATTNCTGGGTTTGGGGTAAACCCTATAGGG ATATTGGTTTTCAAACCTGGAAGTCATGGACTTCCATGGCTTTGGCCCGGACACAGT CATTCCCTCTTAAATGGGGCCTTAAATCAGGCCAATGGCTGGTCCATTATGGCCATA CCCATGAAAGGAAAACCTGGGGCTGCACATAACCCTGGATTATGCCTTGGGAAATGGGAC ATTTCTTTTCTAG
Restriction Sites:	NotI-NotI
ACCN:	NM_133496
Insert Size:	2500 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:	NM_133496.3 , NP_598003.2
RefSeq Size:	5862 bp
RefSeq ORF:	1131 bp
Locus ID:	148867
UniProt ID:	Q8NEW0
Cytogenetics:	1p21.2
Domains:	Cation_efflux
Protein Families:	Transmembrane

Gene Summary:

Zinc functions as a cofactor for numerous enzymes, nuclear factors, and hormones and as an intra- and intercellular signal ion. Members of the zinc transporter (ZNT)/SLC30 subfamily of the cation diffusion facilitator family, such as SLC30A7, permit cellular efflux of zinc (Seve et al., 2004 [PubMed 15154973]).[supplied by OMIM, Mar 2008]

Transcript Variant: This variant (1) is the longer transcript.