

Product datasheet for **RC231232**

Znt6 (SLC30A6) (NM_001193514) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Znt6
Synonyms:	MST103; MSTP103; ZNT6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC231232 representing NM_001193514
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGGACAATTCATCTCTTTGAAAACCAAAAGATCCTTTTTGGCAAGTTGTTACGGGAATTTAGAC
 TTGTAGCAGCTGACCGAAGGTCTGGAAGATACTGCTCTTTGGTGAATAAACTTGATATGACTGGCTT
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 CTTTTAGTTTAATGACATGTTAATAAGTTACTGGGTAACATTGAGGAAACCTAGCCCTGTCTATTTCAT
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 ACTTTTGTGGCTCTTTGTTCAACCTGTTACGATGCTTTCTATTGGAATAAACCTTTTGCTTATGTCT
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 TCCGGGACTTAGCAGTATCTTCTTCCCGAATGAATCCATTTGTTTGTGATTGATCTTGCTGGAGCATTT
 GCTCTTTGTATTACATATATGCTCATTGAAATTAATAATTATTTGCCGTAGACACTGCCTCTGCTATAG
 CTATTGCCTTGATGACATTTGGCACTATGTATCCCATGAGTGTGTACAGTGGGAAAGCTTACTCCAGAC
 AACACCACCCCATGTTATTGGTCAGTTGGCAAACTCATCAGAGAGGCTGGATCAGTGCATGTAAGAATT
 CGACGAGATGCCAATGAACAAATGGTCTTGTCTCATGTGACCAACAGGCTGTACACTCTAGTGTCTACTC
 TAACTGTTCAAATTTTCAAGGATGACTGGATTAGGCCTGCCTTATTGTCTGGGCTGTTGCAGCCAAATG
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 ACATCAACTCCAGCTAAACCTAGTAGTCCACCTCCAGAATTTTCACTTAACTCCTGGGAAAAATGTGA
 ACCCAGTTATTCTTCTAAACACACAACAAGGCCTTATGGTTTGGTCTCAATCATGGACACACACCTTA
 CAGCAGCATGCTTAATCAAGGACTTGGAGTCCAGGAATTGGAGCAACTCAAGGATTGAGGACTGGTTTT
 ACAAATATACCAAGTAGATATGGAATAATAATAGAATTGGACAACCAAGACCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231232 representing NM_001193514
 Red=Cloning site Green=Tags(s)

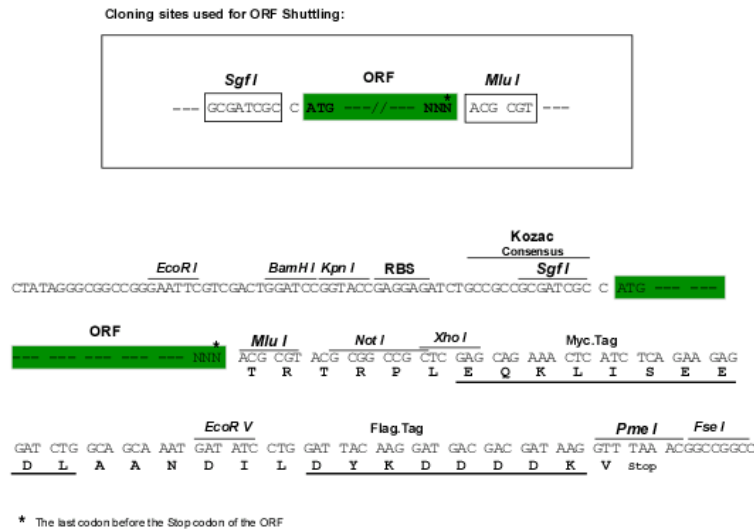
MGTIHLFRKPQRSFFGKLLREFRLVAADRRSWKILLFGVINLICTGFLLMWCSSTNSIALTAYTYLTIFD
 LFSMTCLISYWVTLRKPSPVYSFGFERLEVLAFASTVLAQLGALFILKESAERFLEQPEIHTGRLLVG
 TFVALCFNLFTMLSIRNKPFAVYSEAASTSWLQEHVADLSRSLCGIIPGLSSIFLPRMNPVFLIDLAF
 ALCITYMLIEINNYFAVDTASAIAlALMTFGTMYPMVSYSYGVLLQTTPPHVIGQLDKLIREAGSVHVR
 RRDANEQMVLAHVNTNRLYTLVSTLTVQIFKDDWIRPALLSGPVAANVLNFSDDHVIPLPLKGTDDLNPV
 TSTPAKPSSPPEFSFNTPGKNVNPVILLNTQTRPYGFLNHGHTPYSSMLNQLGVPVIGATQGLRTGF
 TNIPSRYGTNNRIGQPRP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8059_h10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001193514

ORF Size: 1314 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001193514.2](#)

RefSeq ORF: 1317 bp

Locus ID: 55676

UniProt ID: [Q6NXT4](#)

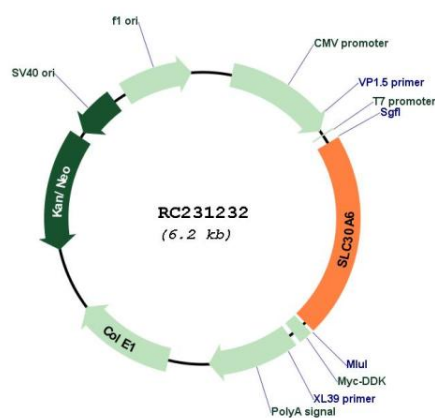
Cytogenetics: 2p22.3

Protein Families: Transmembrane

MW: 49 kDa

Gene Summary: This gene encodes a member of a family of proteins that function as zinc transporters. This protein can regulate subcellular levels of zinc in the Golgi and vesicles. Expression of this gene is altered in the Alzheimer's disease brain plaques. [provided by RefSeq, Aug 2016]

Product images:



Circular map for RC231232