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Product datasheet for SC113815

Znt6 (SLC30A6) (NM_017964) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Znt6 (SLC30A6) (NM_017964) Human Untagged Clone
Tag:	Tag Free
Symbol:	Znt6
Synonyms:	MST103; MSTP103; ZNT6
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_017964, the custom clone sequence may differ by one or more nucleotides

ATGGGGACAATTCATCTCTTTCGAAAACCACAAAGATCCTTTTTTGGCAAGTTGTTACGGGAATTTAGAC
TTGTAGCAGCTGACCGAAGGTCCTGGAAGATACTGCTCTTTGGTGTAATAAACTTGATATGTACTGGCTT
CCTGCTTATGTGGTGCAGTTCTACTAATAGTATAGCTTTAACTGCCTATACTTACCTGACCATTTTTGAT
CTTTTTAGTTTAATGACATGTTTAATAAGTTACTGGGTAACATTGAGGAAACCTAGCCCTGTCTATTCAT
TTGGGTTTGAAAGATTAGAAGTCCTGGCTGTATTTGCCTCCACAGTCTTGGCACAGTTGGGAGCTCTCTT
TATATTAAAAGAAAGTGCAGAACGCTTTTTGGAACAGCCCGAGATACACACGGGAAGATTATTAGTTGGT
ACTTTTGTGGCTCTTTGTTTCAACCTGTTCACGATGCTTTCTATTCGGAATAAACCTTTTGCTTATGTCT
CAGAAGCTGCTAGTACGAGCTGGCTTCAAGAGCATGTTGCAGATCTTAGTCGAAGCTTGTGTGGAATTAT
TCCGGGACTTAGCAGTATCTTCCTTCCCCGAATGAATCCATTTGTTTTGATTGATCTTGCTGGAGCATTT
GCTCTTTGTATTACATATATGCTCATTGAAATTAATAATTATTTTGCCGTAGACACTGCCTCTGCTATAG
CTATTGCCTTGATGACATTTGGCACTATGTATCCCATGAGTGTGTACAGTGGGAAAGTCTTACTCCAGAC
AACACCACCCCATGTTATTGGTCAGTTGGACAAACTCATCAGAGAGGTATCTACCTTAGATGGAGTTTTA
GAAGTCCGAAATGAACATTTTTGGACCCTAGGTTTTGGCTCATTGGCTGGATCAGTGCATGTAAGAATTC
GACGAGATGCCAATGAACAAATGGTTCTTGCTCATGTGACCAACAGGCTGTACACTCTAGTGTCTACTCT
AACTGTTCAAATTTTCAAGGATGACTGGATTAGGCCTGCCTTATTGTCTGGGCCTGTTGCAGCCAATGTC
CTAAACTTTTCAGATCATCACGTAATCCCAATGCCTCTTTTAAAGGGTACTGATGATTTGAACCCAGTTA
CATCAACTCCAGCTAAACCTAGTAGTCCACCTCCAGAATTTTCATTTAACACTCCTGGGAAAAATGTGAA
CCCAGTTATTCTTCTAAACACACAAACAAGGCCTTATGGTTTTGGTCTCAATCATGGACACACACCTTAC
AGCAGCATGCTTAATCAAGGACTTGGAGTTCCAGGAATTGGAGCAACTCAAGGATTGAGGACTGGTTTTA
CAAATATACCAAGTAGATATGGAACTAATAATAGAATTGGACAACCAAGACCATGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017964 unedited
GTTTCAGCATTTGTATACGACTCATATAGGCGGCCGCGCAATTCGCACGAGGAGCTGTGC
AGCTCCTTATCATGNNGGGACAATTCATNNCTCTTTCGAAAACCACAAAGATCCTTTTTT
GGCAAGTTGTTACGGGAATTTAGACTTGTAGCAGCTGACCGAAGGTCCTGGAAGATACTG
CTCTTTGGTGTAATAAACTTGATATGTACTGGCTTCCTGCTTATGTGGTGCAGTTCTACT
AATAGTATAGCTTTAACTGCCTATACTTACCTGACCATTTTTGATCTTTTTAGTTTAATG
ACATGTTTAATAAGTTACTGGGTAACATTGAGGAAACCTAGCCCTGTCTATTCATTTGGG
TTTGAAAGATTAGAAGTCCTGGCTGTATTTGCCTCCACAGTCTTGGCACAGTTGGGAGCT
CTCTTTATATTAAAAGAAAGTGCAGAACGCTTTTTGGAACAGCCCGAGATACACACGGGA
AGATTATTAGTTGGTACTTTTGTGGCTCTTTGTTTCAACCTGTTCACGATGCTTTCTATT
CGGAATAAACCTTTTGCTTATGTCTCAGAAGCTGCTAGTACGAGCTGGCTTCAAGAGCAT
GTTGCAGATCTTAGTCGAAGCTTGTGTGGAATTATTCCGGGACTTAGCAGTATCTTCCTT
CCNCGAATGAATCCATTTGTTTTGATTGATCTTGCTGGAGCATTTGCTCTTTGTATTACA
TATATGCTCATTGGAATTAATAATATTTTGCCGTAGACACTGCCTCTGCTATAGCTATTG
CCTTGATGACATTTGGCACTATGTATCCCATGAGTGTGTACAGTGGGGAAAGTCTTACTC
AGACACACCACCCCATGTTTATTGGTCAGTTGGACAAACTCATCAAAGAGGCTGGATCAN
TGCATGTAAGAATTCGACGAGATGCCCATGACAAATGGTA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017964 unedited
TATGTACCGTCGGCCGCAATCTANNGTCGAGTTTTTTTTTTTTTTTTTTTTAAACTCCA
TATATGGTTCTTTAATCCAAACAGTTTAATTCAAGCAATCTGGAATATAAAAAGCACTTT
CTGATATTAGAAGGAGATCAGACTCCCAAAAAAGATCAGCATTCTTTAGTCAAGCAAAAC
TTGGAAGTTTACAAACAGCTAAATCAGAAGCTTGAAATTCAGGTCCTCTCCAGTACCTGC
TACATTATATGTAATTCCAAACATGACTTCAGAGATTAAAGAAGAAAGGGAAGATGTTTC
CCATTCTTTTGTACCCTATATAAACTAAGGGTACCCTGCCCTAATCTTTTTTCCAACACT
TCCCCAAATAACCCTTCCTTACAAAGAAAGAAGTCTAAGAGAACTCTCTCATCTAAATAT
ATTTAAGTAGAGGCAAGCCTGAAAAAAACACAAAAACCTAAATGGTGTTAGGCTGTGGTT
CACCTATTCTCATGGCACCTCAAATTAATGGCTTGGGTGTTGGTGTAGGTAACGCTTGGC
CTGTATGTTGAGGTAGTCACTAGATAAAATTCTGGGCACAACATCCGTTTAGCAATTGGG
CATACATTCTACAGATTTAGCCATAACGTTTTGAAGCTGATTATTTTACAGATCAACTAA
TTAATTCCTCTCCCTAACTTTACAGATGAGAAAGCTCAGATGATTTGCCCATGGGTTATA
AAACTACTTCCTTACACAGTGGCAGCATCAGAACTGGGAATCAGATCTCTTGCCTCCTAG
GCAGTGTTTTTCCTATTATAATATGGTGACTTNCGTAAGCAGGGTTAATTACATNTCACA
NAGCTTACATNNCCTATCACAAACATGGGGACAANATATTAAAATGNNACTCCTTCTCTG
TCTAGCTTCAGTGGATCTGTGGGCAGATTACTAGTTAGGCTGCTGCTATAGGCTATGCTG
GGCCAGTNCTT

Restriction Sites: NotI-NotI

ACCN: NM_017964

Insert Size: 4700 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:	NM_017964.2, NP_060434.2
RefSeq Size:	2450 bp
RefSeq ORF:	1386 bp
Locus ID:	55676
UniProt ID:	Q6NXT4
Cytogenetics:	2p22.3
Domains:	Cation_efflux
Protein Families:	Transmembrane
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] Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting protein (isoform 2) is shorter than isoform 1.