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Product datasheet for RG216288

Znt6 (SLC30A6) (NM_017964) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Znt6 (SLC30A6) (NM_017964) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Znt6
Synonyms:	MST103; MSTP103; ZNT6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG216288 representing NM_017964
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

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

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

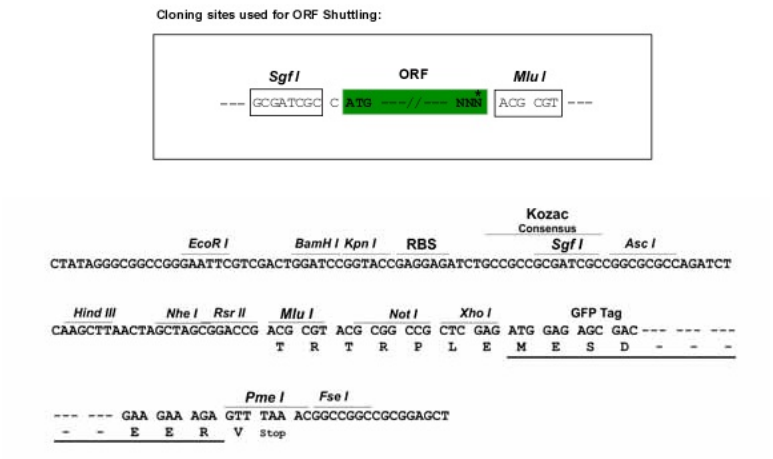
>RG216288 representing NM_017964
Red=Cloning site Green=Tags(s)

MGTIHLFRKPQRSFFGKLLREFRLVAADRRSWKILLFGVINLICTGFLLMWCSSTNSIALTAYTYLTIFD
LFSLMTCLISYWVTLRKPSPVYSFGFERLEVLAVFASTVLAQLGALFILKESAERFLEQPEIHTGRLLVG
TFVALCFNLFTMLSIRNKPFAYVSEAASTSWLQEHVADLSRSLCGIIPGLSSIFLPRMNPFVLIDLAGAF
ALCITYMLIEINNYFAVDTASAIAIALMTFGTMYPMSVYSGKVLLQTTPPHVIGQLDKLIREVSTLDGVL
EVRNEHFWTLGFGSLAGSVHVRIRRDANEQMVLAHVTNRLYTLVSTLTVQIFKDDWIRPALLSGPVAANV
LNFSDHHVIPMPLLKGTDDLNPVTSTPAKPSSPPPEFSFNTPGKNVNPVILLNTQTRPYGFGLNHGHTPY
SSMLNQGLGVPGIGATQGLRTGFTNIPSRYGTNNRIGQPRP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



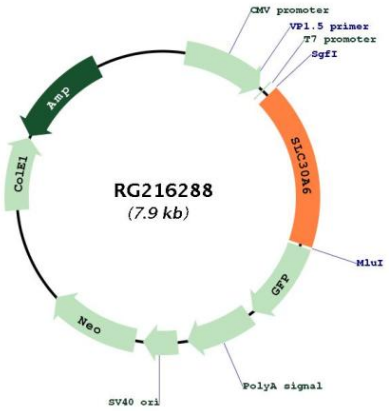
ACCN:	NM_017964
ORF Size:	1383 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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.
RefSeq:	NM_017964.5
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]

Product images:



Circular map for RG216288