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Product datasheet for SC104424

SLC30A2 (NM_032513) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SLC30A2
Synonyms:	PP12488; TNZD; ZnT-2; ZNT2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC104424 sequence for NM_032513 edited (data generated by NextGen Sequencing)

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ATGGAGGCCAAGGAGAAGCAGCATCTGTTGGACGCCAGGCCGGCAATCCGGTCATACACG
GGATCTCTGTGGCAGGAAGGGGCTGGCTGGATTCCTCTGCCCCGACCTGGCCTGGACTTG
CAGGCCATTGAGCTGGCTGCCCAGAGCAACCATCACTGCCATGCTCAGAAGGGTCCTGAC
AGTCACTGTGACCCCAAGAAGGGGAAGGCCCAGCGCCAGCTGTATGTAGCCTCTGCCATC
TGCCTGTTGTTCATGATCGGAGAAGTCGTTGAGATCTTGGGAGCCCTGGTCTCTGTACTG
TCCATCTGGGTCGTGACGGGGGTACTGGTGTACCTGGCTGTGGAGCGGCTGATCTCTGGG
GACTATGAAATTGACGGGGGGACCATGCTGATCACGTCGGGCTGCGCTGTGGCTGTGAAC
ATCATAATGGGGTTGACCCTTCACCAGTCTGGCCATGGGCACAGCCACGGCACCACCAAC
CAGCAGGAGGAGAACCCCAGCGTCCGAGCTGCCTTCATCCATGTGATCGGCGACTTTATG
CAGAGCATGGGTGTCCTAGTGGCAGCCTATATTTTATACTTCAAGCCAGAATACAAGTAT
GTAGACCCCATCTGCACCTTCGTCTTCTCCATCCTGGTCCTGGGGACAACCTTGACCATC
CTGAGAGATGTGATCCTGGTGTTGATGGAAGGGACCCCCAAGGGCGTTGACTTCACAGCT
GTTCGTGATCTGCTGCTGTCGGTGGAGGGGGTAGAAGCCCTGCACAGCCTGCATATCTGG
GCACTGACGGTGGCCCAGCCTGTTCTGTCTGTCCACATCGCCATTGCTCAGAATACAGAC
GCCCAGGCTGTGCTGAAGACAGCCAGCAGCCGCCTCCAAGGGAAGTTCCACTTCCACACC
GTGACCATCCAGATCGAGGACTACTCGGAGGACATGAAGGACTGTCAGGCATGCCAGGGC
CCCTCAGACTGA

Clone variation with respect to NM_032513.3
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View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032513 unedited
NNGGTTCAGATTTTGTAATACGACTCACTATAGGGCGGCNCGCGATTCGGCACGAGGGCC
GCGGGGCGCAGCGGCTGACCCGAGACACGGGAGCGCTTGGCACGCGGAGCCAGAGCCGGA
GCTGCAGCCGCAGCGGGAGCCGGGGGAGCTCAGGGGCCGCAGGAGCCGGGCCGGAGTGAG
CGCACCTCGCGGGGCCCTCGGGGCAGGTGGGTGAGCGCCACCCGGAGTCCCGCGCGCAAC
TTTCAGGGCGCACTCGGCGGGGCGGCTGCGCGGCTGCCGGGACTCGGCGCGGGACTGCAT
GGAGGCCAAGGAGAAGCAGCATCTGTTGGACGCCAGGCCGGCAATCCGGTCATACACGGG
ATCTCTGTGGCAGGAAGGGGCTGGCTGGATTCCTCTGCCCCGACCTGGCCTGGACTTGCA
GGCCATTGAGCTGGCTGCCCAGAGCAACCATCACTGCCATGCTCAGAAGGGTCCTGACAG
TCACTGTGACCCCAAGAAGGGGAAGGCCCAGCGCCAGCTGTATGTAGCCTCTGCCATCTG
CCTGTTGTTCATGATCGGAGAAGTCGTTGGTGGGTACCTGGCACACAGCTTGGCTGTCAT
GACTGACGCAGCACACCTGCTCACTGACTTTGCCAGCATGCTCATCAGCCTCTTCTCCCT
CTGGATGTCCTCCCGGCCAGCCACCAAGACCATGAACTTTGGCTGGCAGAGAGCTGAGAT
CTTGGGAGCCCTGGTCTCTGTACTGTCCATCTGGGTCGTGACGGGGGTACTGGTGTACCT
GGCTGTGGAGCGGCTGATCTCTGGNGACTATGAAATTGACGGGGGGACCATGCTGATCAC
GTCGGCTGCGCTGTGGCTGTGACATATATGGGGGGTGACCCTTCACAGTCTGGGCATGGC
ACAGNCACGCACCACCACCACAGGAGAGACCCCACGTCGACTGCTCATCCATGGATCG

Restriction Sites: NotI-NotI

ACCN: NM_032513

Insert Size: 2650 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.

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

RefSeq: NM_032513.3, NP_115902.1

RefSeq Size: 2326 bp

RefSeq ORF: 972 bp

Locus ID: 7780

UniProt ID:	Q9BRI3
Cytogenetics:	1p36.11
Domains:	Cation_efflux
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene is a zinc transporter that acts as a homodimer. The encoded protein plays a role in secreting zinc into breast milk. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2015] Transcript Variant: This variant (2) lacks an alternate in-frame segment, compared to variant 1, resulting in a shorter protein (isoform 2) that has a shorter N-terminus, compared to isoform 1.