

Product datasheet for RC229885

Zinc transporter 8 (SLC30A8) (NM_001172814) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zinc transporter 8 (SLC30A8) (NM_001172814) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zinc transporter 8
Synonyms:	ZnT-8; ZNT8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229885 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTACCACTGCCACAGTGGCTCCAAGCCACAGAAAAGGGGGCGAATGAGTACGCCTATGCCAAGTGGA
AACTCTGTTCTGCTTCAGCAATATGCTTCATTTTCATGATTGCAGAGGTCGTGGGTGGGCACATTGCTGG
GAGTCTTGCTGTTGTACAGATGCTGCCACCTCTTAATTGACCTGACCAGTTTCTGCTCAGTCTCTTC
TCCCTGTGGTTGTCATCGAAGCCTCCCTCTAAGCGGCTGACATTTGGATGGCACCAGCAGAGATCCTTG
GTGCCCTGCTCTCCATCCTGTGCATCTGGGTGGTACTGGCGTGCTAGTGTACCTGGCATGTGAGCGCCT
GCTGTATCCTGATTACCAGATCCAGGCGACTGTGATGATCATCGTTTCCAGCTGCCAGTGGCGGCAAC
ATTGTAATAACTGTGGTTTTGCACCAGAGATGCCTTGGCCACAATCACAAGGAAGTACAAGCCAATGCCA
CGGTACAGAGCTGCTTTTGTGCATGCCCTTGGAGATCTATTTACAGAGTATCAGTGTGCTAATTAGTGCCT
TATTATCTACTTTAAGCCAGAGTATAAAATAGCCGACCAATCTGCACATTCATCTTTTCCATCCTGGTC
TTGGCCAGCACCATCACTATCTTAAAGGACTTCTCCATCTTACTCATGGAAGGTGTGCCAAAGAGCCTGA
ATTACAGTGGTGTGAAAGAGCTTATTTTAGCAGTCGACGGGTGCTGTCTGTGCACAGCCTGCACATCTG
GTCTCTAACAATGAATCAAGTAATCTCTCAGCTCATGTTGCTACAGCAGCCAGCCGGGACAGCCAAGTG
GTTCCGAGAGAAAATTGCTAAAGCCCTTAGCAAAAGCTTTACGATGCACTCACTACCATTTCAGATGGAAT
CTCCAGTTGACCAGGACCCGACTGCCTTTTCTGTGAAGACCCCTGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001172814.2](#)

RefSeq Size: 5403 bp

RefSeq ORF: 963 bp

Locus ID: 169026

UniProt ID: [Q8IWU4](#)

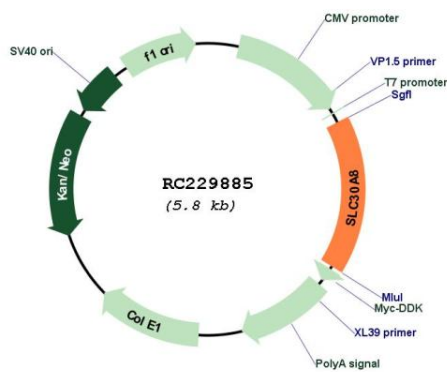
Cytogenetics: 8q24.11

Protein Families: Transmembrane

MW: 35.1 kDa

Gene Summary: The protein encoded by this gene is a zinc efflux transporter involved in the accumulation of zinc in intracellular vesicles. This gene is expressed at a high level only in the pancreas, particularly in islets of Langerhans. The encoded protein colocalizes with insulin in the secretory pathway granules of the insulin-secreting INS-1 cells. Allelic variants of this gene exist that confer susceptibility to diabetes mellitus, noninsulin-dependent (NIDDM). Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2010]

Product images:



Circular map for RC229885