

Product datasheet for MC213074

Slc30a8 (NM_172816) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc30a8 (NM_172816) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc30a8
Synonyms:	C820002P14Rik; ZnT-8; ZnT8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC213074 representing NM_172816 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTTTCTTGAGAGAACTTATCTTGTGAATGATCAAGCCACCAAGATGTACGCCTTCCCTCTAGACA
GAGAACTTCGACAGAAGCCTGTGAATAAAGATCAGTGTCTGGAGACAGGCCAGAGCATCCAGAGGCAGG
AGGCATCTATCACTGCCACAACAGCGCCAAGGCCACAGGGAACAGGTCGAGCAAGCAAGCGCATGCCAAG
TGGAGACTCTGTGCTGCTTCAGCAATATGCTTCATCTTTATGGTGGCAGAGGTGGTGGTGGACACGTTG
CTGGGAGTCTGGCTATCCTCACTGATGCGGCTCATCTCTTAATTGACCTGACTAGTTTCCCTGCTCAGTCT
CTTTTCTTTGTGGTTGTCATCGAGGCCCTTCCAAGCGGCTGACATTTGGGTGGTATCGAGCAGAGATC
CTCGGTGCCCTGCTGTCTGCTCCTTTCATCTGGGTGGTACTGGTGTGCTGTACCTGCCTGTGAGC
GCCTTTTGTATCCTGATTACCAGATCCAAGCAGGTATCATGATCACTGTTTCAGGCTGTGCAGTGGCAGC
CAACATTGTAATAACTATGATTTTGACCAACGGAACCTTGGCTACAACCACAAGGATGTACAAGCTAAT
GCCAGTGTCCGAGCAGCCTTTGTGATGCCCTGGGGATGATTTTCAGAGCATCAGTGTGCTAATTAGTG
CTCTCATTATCTACTTTAAGCCTGACTACAAAATTGCTGATCCAGTGTGCACATTTATCTTTCCATCCT
GGTTTTGGCCAGCACCGTCATGATCTTAAAGACTTCTCCATCTACTCATGGAAGGTGTCCAAAGGGC
CTGAGTTACAACAGTGTGAAAGAGATCATCCTCGCAGTTGATGGCGTGATCTCCGTGCACAGTCTACACA
TCTGGTCACTGACTGTGAACCAAGTGATTCTCTGTTTCATGTTGCTACAGCTGCCAGCCAGGACAGCCA
GTCTGTGCGGACAGGAATTGCTCAAGCCCTCAGCAGCTTTGATCTTCACTCTCTTACCATTAGATAGAA
TCTGCAGCAGACCAGGCCCCAGCTGCCTTCTCTGCGAAGACCCTCAGGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_172816
Insert Size:	1104 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_172816.3 , NP_766404.1
RefSeq Size:	1906 bp
RefSeq ORF:	1104 bp
Locus ID:	239436
UniProt ID:	Q8BGG0
Cytogenetics:	15 C
Gene Summary:	Facilitates the accumulation of zinc from the cytoplasm into intracellular vesicles, being a zinc-efflux transporter. May be a major component for providing zinc to insulin maturation and/or storage processes in insulin-secreting pancreatic beta-cells (By similarity).[UniProtKB/Swiss-Prot Function]