

Product datasheet for **RC218207**

SLC12A8 (NM_024628) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC12A8 (NM_024628) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC12A8
Synonyms:	CCC9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC218207 representing NM_024628
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCCAGATGTCCAGGTGCAGGAGCTTCCATGAGGCAGCCAGCAGGATGCCCTGGCCAGCCCC
AGCCCTGGTGGAAAGACCCAGCTGTTTCATGTGGGAGCCTGTGCTGTTTGGGACCTGGGATGGTGTGTTTAC
ATCCTGCATGATCAACATCTTTGGGGTTGTGCTCTTCTGAGGACTGGCTGGCTGGTGGAAACACAGGA
GTGCTCCTGGGCATGTTCTGGTGTCTTCGTCATCCTGGTGGCCCTCGTCACGGTGTGCTGGCATTG
GCGTCGGGAGCGCAGCAGCATCGGCAGCGGTGGCGTCTACTCCATGATCTCCTCGGTCCTGGTGGCA
GACGGGAGGCACCATCGGGCTGCTCTATGTGTTTGGACAGTGTGTTGCAGGTGCCATGTATATACCCGGC
TTTGCTGAATCCATCTCGGATTTGCTGGCCCTCGGGAATATCTGGGCTGTGCGAGGAATTCAGTTGCGG
TGCTTCTGGCCTTGTGGCATTAACTCGCAGGTGTCAAATGGATAATCCGCCTCCAGCTGCTGTTGCT
GTTCTGCTGGCCGTGTCCACACTGGACTTTGTGGTGGGTCTTTACCCACCTGGACCCAGAACATGGT
TTCATTGGATATTCACCCGAACTGCTACAGAACAACACGCTGCCCGATTACAGCCCGGGGAATCTTTTT
TCACTGTCTTTGGGGTTTTCTTCCCAGCGGCTACAGGAGTCATGGCCGGCTTCAACATGGGGGGCGACCT
CAGGGAGCCTGCCGCCAGCATTCCCCTGGGCTCCCTGGCAGCTGTTGGCATCTCGTGTTTCTGTACATC
GTCTTCGCTTCTCCTGGGCGCCATCTGCACTCGAGAGGCCCTTCGCTATGACTTCCTGATAGCGGAAA
AGGTATCCCTCATGGGCTTCTGTTCTTTTGGGCTTATACATCTCGTCCCTGGCTTCTGCATGGGAGG
ACTTTATGGAGCTCCCCGCATCCTGCAGTGCATTGCCAGGAGAAAGTATCCCTGCACTTGCCCTGTCTG
GGACAAGGAAGGGGCCAAAACAAACACCCGTGGCTGCCATCTGCCTGACCAGCTTGGTGACCATGGCCT
TTGTTTTTGGGTCAAGTGAACGTTCTGGCCCCATCGTCACCATCAACTTCATGCTGACATAGCTTGC
AGTGGACTACTCTTACTTCTCCCTGTCCATGTGTTCTGCAACCTGACCCCGGTGCCTGAGCCGGTGTCTC
AGGGAGGGCGCAGAAGGCCTCCACTGCTCTGAGCACCTGCTCTTAGAGAAAAGCTCCAGTTACGGCTCTG
AGGGACCTGCCCAAAGAGTCTTGAGAGGGCAGCTACTGGAATTCACCAAGGACATGGATCAGCTCCTCCA
GCTAACCCAGGAAGCTTGAGAGTAGCCAGCCAGGCAAGGAGAGGGTAACAGGACCCAGAAAAGTCAGAAG
AGGAAAAGCAAGAAGGCCACCAAGCAGACCCTACAAGTAGCTTCTCTTGACCTCAAATCCCCTCCTT
CTTTCCCTGTGAGATCTCTGACAGGTTGCCCGCTGCCTCCTGGGAGGGGAGGAGTCTGCTGGAACAA
GCAGACTTCCAAGAGCGAAGGGACTCAGCCTGAGGGAACATATGGAGAGCAACTTGTTCCTGAGCTGTGC
AACCAATCAGAGTCCAGTGGAGAAGATTTCTTCTGAAGTCCAGGCTCCAAGAACAAGATGTCTGGAGAA
GATCCACTTCTTTCTATACCCACATGTGCAACCCCTGGGTCTCCCTGTTGGGGGCTGTTGGGTCCCTTCT
CATCATGTTTGTGATACAGTGGGTGTATACCCTGGTTAACATGGGTGTTGCTGCCATCGTGTATTCTAC
ATTGGCCGGGCCAGTCCAGGGCTTACCTTGGATCAGCCTCCAACCTTCACTTTTTCCGGTGGATGAGGT
CTCTTTGCTCCCTCCTGCAGGAGCTTGGCGTCCCTCAGGAGCAGATCATCTTGGCGCCGTCCCTGGC
TAAGGTTGACATGGAGATGACTCAGCTACCCAGGAGAATGCAGACTTCGCCACTCGGGATCGCTACCAC
CACTCTCCCTCGTGAACCGGGAGCAGCTGATGCCTCACTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC218207 representing NM_024628
 Red=Cloning site Green=Tags(s)

MTQMSQVQELFHEAAQQDALAQPQPWWKTQLFMWEPVLFGTWDGVFTSCMINIFGVVFLRRTGWLVGNTG
 VLLGMFLVSVFVILVALVTVLSGIGVGERSSIGSGGVYSMISSVLGGQTGGTIGLLVYFGQCVAGAMYITG
 FAESISDLLGLGNIWAVRGISVAVLLALLGINLAGVKWIIRLQLLLLFLAVSTLDFVVGSTHLDPEHG
 FIGYSPELLQNNTLPDYSPGESFFTVFGVFFPAATGVMAGFNMGGDLREPAASIPLGSLAAVGISWFLYI
 VFVFLGAICTREALRYDFLIAEKVSLMGFLFLLGLYISSLASCMGGLYGAPRILQCIAQEKVIPALACL
 GQGKGNKTPVAAICTSLVTMAFVFGVQVNLAPIVTINFMLTYAVDYSYFSLSMCSCSLTPVPEPVL
 REGAELHCSEHLLLEKAPSYGSEGPAQRVLEGLTLEFTKMDQLLQLTRKLESSQPRQEGENRTPESQK
 RKSKKATKQTLQDSFLDLKSPSPFVEISDRLPAASWEGQESCWNKQTSKSEGTQPEGTYGEQLVPELC
 NQSESSGEDFFLKSRLEQDVRRTSFYTHMCNPWVSLLGAVGSLIMFVIQWVYTLVNMVAAIVYFY
 IGRASPGLHLGSANFSFFRWMRSLLLPSCRSLRSPQEII LAPSLAKVDMEMTQLTQENADFATRDRYH
 HSSLVNREQLMPHY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_024628

ORF Size: 2142 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_024628.5](#)

RefSeq Size: 3482 bp

RefSeq ORF: 2145 bp

Locus ID: 84561

UniProt ID: [A0AV02](#)

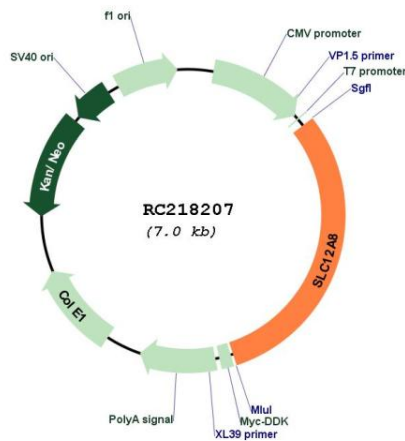
Cytogenetics: 3q21.2

Protein Families: Druggable Genome, Transmembrane

MW: 78 kDa

Gene Summary: This gene is thought to be a candidate for psoriasis susceptibility. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Sep 2010]

Product images:



Circular map for RC218207