

Product datasheet for **RC200795**

SLC38A5 (NM_033518) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC38A5 (NM_033518) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC38A5
Synonyms:	JM24; pp7194; SN2; SNAT5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC200795 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAAGTGCAGGATCCAAAGATGAATGGAGCCCTCCCTCGGATGCTGTGGCTACAGGCAAGAACGTG
 AGGGCTTCTGCCAGTCGTGGTCTGCTCCTGGGAGCAAGCCGTCCAGTTCATGGATTCGAGGGGAA
 GACATCGTTTGAATGTCAAGTGTCAACCTCAGCAACGCCATCATGGGCAGCGGCATCCTGGGGCTGGCC
 TATGCCATGGCCACACGGGGTTCATCTTCTTCTGGCCCTGCTGCTGTGCATTGCGCTTCTGTCGCTCT
 ACTCCATCCACCTCCTGCTGACCTGTGCTGGTATTGCAGGCATCCGAGCCTATGAGCAGCTGGGACAGAG
 GGCATTCGGGCTGCGGGGAAGGTAGTGGTGGCCACAGTCATCTGTCTGCACAATGTTGGGGCCATGTCC
 AGTTACCTGTTTCATCATCAATCTGAGCTCCCCCTGGTATCGGCACCTTCTGTACATGGACCCCGAGG
 GGGACTGGTCTTGAAGGAAACCTCCTCATCATCATCGTCAGTGTGTTAATCATCTGCCCTCGCCCT
 CATGAAACACTTGGGCTACCTGGGTACACCAGTGGTCTCTCTGACCTGCATGCTGTTTTCTTCTGTT
 TCGGTCATCTACAAGAAGTTCAACTTGGCTGTGCTATAGGCCACAATGAAACAGCAATGGAGAGTGAAG
 CTCTCGTGGGACTCCCCAGCAAGGACTCAACAGCAGCTGTGAGGCCAGATGTTACAGTTGACTCACA
 GATGTCCTACACAGTGCCATTATGGCTTTTGGCTTTTGTCTGCCACCCTGAGGTGCTGCCATCTATACG
 GAGCTCTGCCGGCCCTCAAGCGCAGGATGCAGGCCGTGGCCAACGTGTCCATTGGGGCCATGTTCTGCA
 TGTATGGGCTCACAGCAACCTTTGGATACCTCACCTTCTACAGCAGTGTGAAGCGGAGATGCTGCACAT
 GTACAGCCAGAAGGACCCGCTCATCCTCTGTGTGCGCCTGGCCGTGCTGCTCGCGGTGACCTCACTGTG
 CCAGTCGTGCTGTTCCCTATCCGCCGGGCCCTGCAGCAGCTGCTTTCCAGGCAAGGCCCTCAGCTGGC
 CACGATGTGGCCATAGCTCTGATCCTGCTTGTGTTTGGTCAATGTCCTTGTGTCATGTTGCCAACCAT
 CCGGGATATCTTTGGAGTTATCGGGTCCACCTCAGCCCCCAGCCTCATCTTCATCCTCCCCAGCATCTTC
 TACCTCCGATTGTACCCTCTGAGGTGGAGCCTTTCTTATCCTGGCCCAAGATCCAGGCCCTGTGCTTTG
 GAGTCTGGGAGTCTCTTCATGGCCGTGAGTCTAGGCTTTATGTTTGCCTGCAACTGGGCCACAGGCCAGAG
 CCGCATGTCTGGACAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC200795 protein sequence
 Red=Cloning site Green=Tags(s)

MELQDPKMNALPSDAVGYRQEREGFLPSRGPAPGSKPVQFMDFEKTSFGMSVFNLSNAIMGSGILGLA
 YAMAHTGVIFLLALLLCIALSSYSIHLLLTCAIGIAGIRAYEQLGQRAFPGKVVVATVICLHNVGAMS
 SYLFIKSELPLVIGTFLYMDPEGDWFLKGNLLIIIVSVLIILPLALMKHLGYLGYTSGLSLTCMLFFLV
 SVIYKFKQLGCAIGHNETAMESEALVGLPSQGLNSSCEAQMFTVDSQMSYTVPIMAFAFVCHPEVLPIYT
 ELCRPSKRRMQAVANVSIAMFCMYGLTATFGYLTIFYSSVKAEMLMYSQKDPLILCVRLAVLLAVTLTV
 PVVLFPIRRALQQLLFPKAFSWPRHVAIALILLVLVNVLVICVPTIRDIFGVIGSTSAPSLIFILPSIF
 YLRIVPSEVEPFLSWPKIQALCFGVLGVLFMVSLGFMFANWATGQSRMSGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6832_e05.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_033518

ORF Size: 1416 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_033518.4](#)

RefSeq Size: 1993 bp

RefSeq ORF: 1419 bp

Locus ID: 92745

UniProt ID: [Q8WUX1](#)

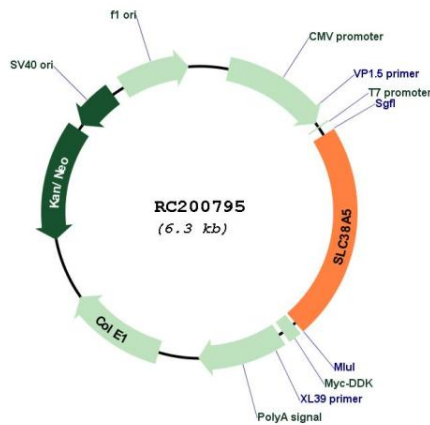
Cytogenetics: Xp11.23

Protein Families: Transmembrane

MW: 51.5 kDa

Gene Summary: The protein encoded by this gene is a system N sodium-coupled amino acid transporter. The encoded protein transports glutamine, asparagine, histidine, serine, alanine, and glycine across the cell membrane, but does not transport charged amino acids, imino acids, or N-alkylated amino acids. Alternative splicing results in multiple transcript variants, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RC200795