

Product datasheet for **RC222990**

SLC45A4 (NM_001080431) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC45A4 (NM_001080431) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC45A4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC222990 representing NM_001080431
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGAAAGCAAGCCAGCCTCAGGGCTGCCGTCCAAAGACCCTTGTGAGTCCACTGAGGTCAAATC
 AATGGAGTCTTCAGAAAGGCCTCCGGAGCAGTACTACAGCCTCACCTGGTTCCTGAGCCCCATCCTTGG
 CCTCATCTTCACACCTCTCATTGGGTCTGCGAGTGACCGGTGCACCCTGAGCTGGGGCCGCCGGCGGCC
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 TGGGCAGAAGACAG

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC222990 representing NM_001080431
Red=Cloning site Green=Tags(s)

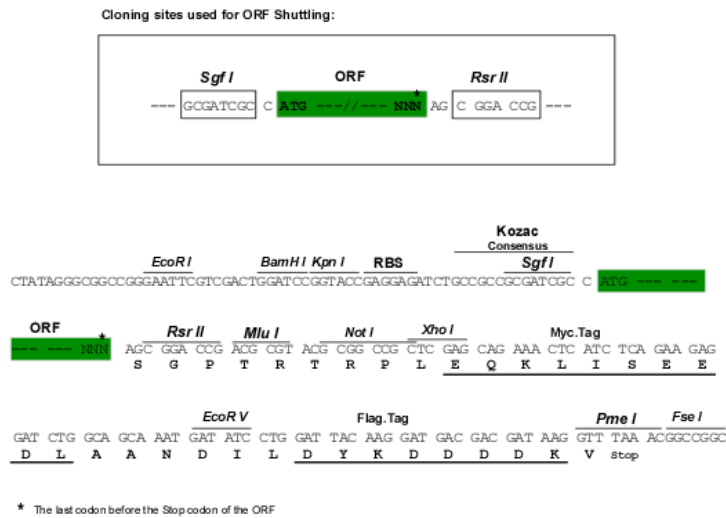
MGKASPASGLSRPKTLVSPLRSNQWSLQKGLPEQYYSLTWFLSPILGLIFTPLIGSASDRCTLSWGRRRP
FILALCVGVLFVALFLNGSAIGLALGDVFNRPQIGIVLTVLGVVLDVDFADATEGPIRAYLLDVVDSEE
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QERSAEEPGALDGGEPHGVPAFPDEVQSEHELALDYPDVIDMRSKSDSALHVPDTALDLEPELLFLHDIE
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DTKPSATSSSMRRRRHAFRRQASSTFSYYGKLGSHCYRYYRANAVVLIKPSRMSDLYDMQKRQRHRHR
NQSGATTSSGDTESEEGEGETTVRLLWLSMLKMPRELMRLCLCHLLTWFSVIAEAVFYTDFMGQVIFEGD
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LGGVVDVAVGTVRIPMVASVGSFLGFLTATFLVIYPNVSEEAKKEEQKGLSSPLAGEGRAGGNSEKPTVLK
LTRKEGLQGPVETERLQVLT SVRSRHIGWCRSCWRVFFMIILEKKFSFPQCGSLRRMTYLLFLSELDL
CPGQPCPWAATAHQSWEEAGPGGLGRRQ

SGP TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8005_e02.zip

Restriction Sites: Sgfl-RsrII

Cloning Scheme:



ACCN: NM_001080431

ORF Size: 2394 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_001080431.2](#), [NP_001073900.1](#)

RefSeq Size: 3376 bp

RefSeq ORF: 2397 bp

Locus ID: 57210

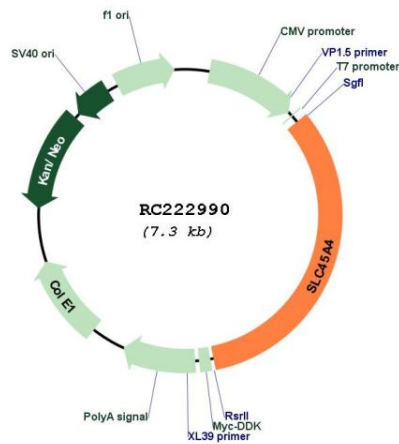
UniProt ID: [Q5BKX6](#)

Cytogenetics: 8q24.3

Protein Families: Transmembrane

MW: 87.4 kDa

Product images:



Circular map for RC222990