

Product datasheet for **RC239396**

SLC45A4 (NM_001286648) Human Tagged ORF Clone

Product data:

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



ORF Nucleotide Sequence: >RC239396 representing NM_001286648
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGGAAGCAAGCCAGCCTCAGGGCTGTCCCGTCCAAAGACCCTTGTGAGTCCACTGAGGTCAAATC
 AATGGAGTCTTCAGAAAGGCCTTCCGGAGCAGTACTACAGCCTCACCTGGTTCTGAGCCCCATCCTTGG
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Protein Sequence: >RC239396 representing NM_001286648
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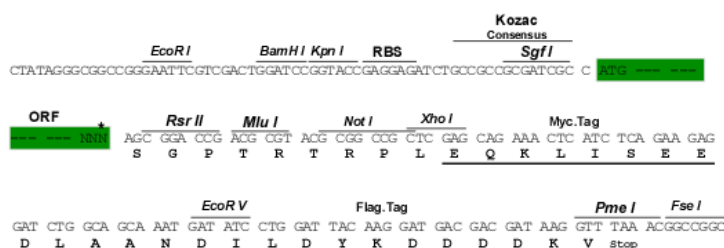
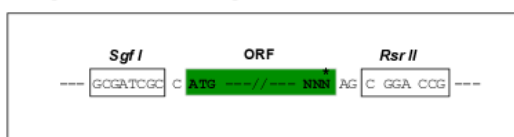
MGKASPASGLSRPKTLVSPLRNSQWSLQKGLPEQYSSLTWFLSPILGLIFTPLIGSASDRCTLSWGRRRP
FILALCVGVLFVGVLFNGSAIGLALGDVPNRQPIGIVLTVLGVVVLDVSADATEGPIRAYLLDVVDSEE
QDMALNIHAFSAGLGGAIGYVLGGLDWTQTFLGSWFRTQNQVLFFFAAIIFTVSVALHLFSIDEEQYSPQ
QERSAEEPALDGGEPHGVPAPFDEVQSEHELALDYPDVIDMRKSDSALHVPDALTDLPELLFLHDIE
PSIFHDASYPATPRSTSQELAKTKLPRLATFLKEAAKEDETLLDNHLNEAKVPNGSGSPTKDALGGYTRV
DTKPSATSSSMRRRRHAFRRQASSTFSYQKLGSHCYRYRRANAVVLKPSRMSDLYDMQKRQRQHRHR
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PKAPSNSTAWQAYNAGVKMGCGWLVIYAATGAICALLQKLYDNYLDSVRVIYVLGTLGFSVGTAVMAMF
PNVYVAMVTISTMGIVMSISYCPYALLGQYHDIKQYIHHSFGNSKRGFIDCAILSCQVYISQILVASA
LGGVVDAGVTIVPIPVMSVSGSFLGFLTATFLVIYPNVSEEAKKEQKGLSSPLAGEGRAGGNSEKPTVLK
LTRKEGLGPVTEYSVY

SGPTRRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001286648

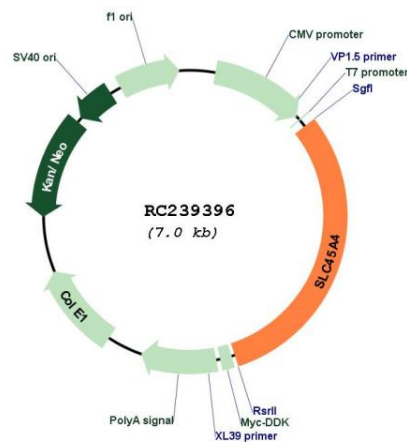
ORF Size: 2151 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001286648.1 , NP_001273577.1
RefSeq Size:	2746 bp
RefSeq ORF:	2154 bp
Locus ID:	57210
UniProt ID:	Q5BKX6
Cytogenetics:	8q24.3
Protein Families:	Transmembrane
MW:	78.6 kDa

Product images:



Circular map for RC239396