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Product datasheet for RC239607

SLC45A4 (NM_001286646) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC45A4 (NM_001286646) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC45A4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC239607 representing NM_001286646
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAAATGGCTCCGCAGAATGCCGACCCGGAATCTATGCAAGTTCAAGAGTTATCCGTGCCCCTGCCGG
ACCCGCAGAAAGCCGGAGGCGCAGAGGCCGAGAACTGCGAGACCATCAGCGAGGGGTCCATAGACCGAAT
CCCCATGCGCCTGTGGGTGATGCACGGGGCGGTGATGTTTGGCAGGGAGTTCTGTTACGCCATGGAAACC
GCTCTGGTCACACCAATACTGTTGCAGATTGGCCTTCCGGAGCAGTACTACAGCCTCACCTGGTTCCTGA
GCCCCATCCTTGGCCTCATCTTCACACCTCTCATTGGGTCTGCGAGTGACCGGTGCACCCTGAGCTGGGG
CCGCCGGCGGCCCTTCATCCTCGCCCTCTGCGTTGGCGTCCTCTTTGGCGTTGCACTTTTCCTTAACGGC
TCTGCCATCGGTCTGGCCCTCGGCGATGTCCCCAACCGGCAGCCCATTGGCATCGTGCTCACGGTGCTGG
GAGTGGTGGTCCTGGACTTCAGCGCCGATGCCACCGAGGGGCCCATCCGTGCCTATCTGCTGGACGTGGT
GGACAGCGAGGAGCAGGACATGGCCCTCAACATCCACGCCTTCTCTGCCGGCCTCGGCGGAGCCATCGGC
TACGTGCTGGGTGGGCTGGACTGGACCCAGACCTTCCTGGGCAGCTGGTTCCGGACCCAGAACCAGGTGC
TCTTCTTCTTTGCCGCCATCATCTTCACGGTGTCCGTGGCCCTGCACCTGTTCAGCATCGACGAGGAGCA
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CCTGCCTTCCCAGACGAGGTACAGTCGGAGCACGAGCTGGCCCTGGACTACCCGGACGTGGACATCATGC
GCAGCAAAAGCGACTCGGCATTGCACGTGCCGGACACCGCGCTGGACCTGGAGCCCGAGCTGCTGTTCCT
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CTCGCCAAGACCAAGCTGCCCCGCCTGGCCACCTTCCTCAAGGAAGCCGCCAAGGAGGACGAGACCTTGC
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GCCACCTCCTCACCTGGTTCTCTGTCATCGCCGAGGCCGTGTTCTACACCGACTTCATGGGCCAGGTCAT
CTTCGAAGGCGACCCCAAGGCCCCCTCGAACTCGACCGCCTGGCAAGCCTACAACGCCGGGGTCAAGATG
GGCTGCTGGGGCCTGGTCATTTATGCCGCCACTGGTGCTATTTGTTCAGCCCTGTTACAGAAGTACTTGG
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AGGAGGAGCAGAAAGGCCTGTCTTCCCCGTTGGCCGGCGAAGGCAGGGCCGGTGGGAACAGCGAAAAGCC
CACCGTGCTGAAGCTCACGCGGAAGGAGGGCCTGCAGGGACCGGTGGAGACAGAGTCCGTGACGCCTGCA
GGTATTGACGTCTGTCAGATCTCGTCACATTGGCTGGTGCCGCAGCTGTTGGAGAGTATTTTTCTTTATG
ATTATTTTAGAAAAAAAATTTTCTTTTCCACAATGTGGTTCTCT

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

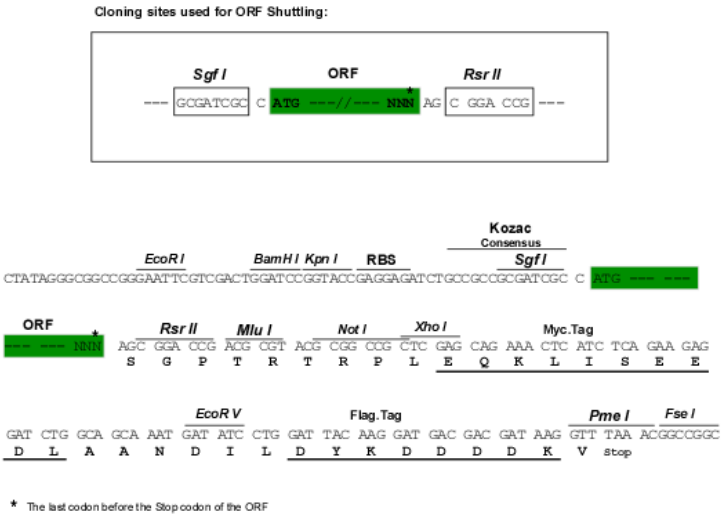
>RC239607 representing NM_001286646
Red=Cloning site Green=Tags(s)

MKMAPQNADPESMQVQELSVPLPDPQKAGGAEAENCETISEGSIDRIPMRLWVMHGAVMFGREFCYAMET
ALVTPILLQIGLPEQYYSLTWFLSPILGLIFTPLIGSASDRCTLSWGRRRPFILALCVGVLFGVALFLNG
SAIGLALGDVPNRQPIGIVLTVLGVVVLDFSADATEGPIRAYLLDVVDSEEQDMALNIHAFSAGLGGAIG
YVLGGLDWTQTFLGSWFRTQNQVLFFFAAIIFTVSVALHLFSIDEEQYSPQQERSAEEPGALDGGEPHGV
PAFPDEVQSEHELALDYPDVDIMRSKSDSALHVPDTALDLEPELLFLHDIEPSIFHDASYPATPRSTSQE
LAKTKLPRLATFLKEAAKEDETLLDNHLNEAKVPNGSGSPTKDALGGYTRVDTKPSATSSSMRRRRHAFR
RQASSTFSYYGKLGSHCYRYRRANAVVLIKPSRSMSDLYDMQKRQRQHRHRNQSGATTSSGDTESEEGEG
ETTVRLLWLSMLKMPRELMRLCLCHLLTWFSVIAEAVFYTDFMGQVIFEGDPKAPSNSTAWQAYNAGVKM
GCWGLVIYAATGAICSALLQKYLDNYDLSVRVIYVLGTLGFSVGTAVMAMFPNVYVAMVTISTMGIVSMS
ISYCPYALLGQYHDIKQYIHHSPGNSKRGFGIDCAILSCQVYISQILVASALGGVVDAVGTVRVIPMVAS
VGSFLGFLTATFLVIYPNVSEEAKEEQKGLSSPLAGEGRAGGNSEKPTVLKLTRKEGLQGPVETESVTPA
GIDVCQISSHWLVPQLLESIFLYDYFRKKIFFSTMWFS

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001286646

ORF Size: 2424 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).

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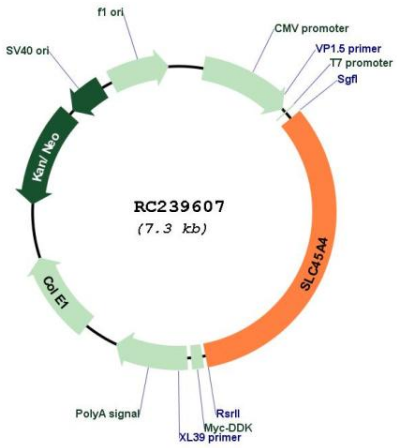
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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_001286646.2
RefSeq Size:	7243 bp
RefSeq ORF:	2427 bp
Locus ID:	57210
UniProt ID:	Q5BKX6
Cytogenetics:	8q24.3
Protein Families:	Transmembrane
MW:	89.1 kDa

Product images:



Circular map for RC239607

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