

Product datasheet for MR215348

Slc4a5 (NM_001166067) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc4a5 (NM_001166067) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc4a5
Synonyms:	C330006M16; C330016K18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215348 representing NM_001166067 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGACACTCTACAGCATGATGGGGACCAGATGGAGTGGAAAGGAGTCAGCCAGGTGGATAAAATTTGAAG
AAAAGGTAGAGGAAGGAGGAGAACGATGGAGCAAGCCCCATGTGTCCACGCTGTCCCTGCACAGTCTCTT
TGAGCTCCGCACCTGCCTGCAGACAGGGACAGTCTACTGGATCTGGACAGCTGTCCCTACCACAGATC
ATAGATGATGTCATTGAGAAGCAGATAGAGGATGGACTTCTGCGACCTGAGCTCCGGGAGAGGGTCAGT
ACGTGCTCCTGAGGAAGCATCGTCACCAAACAAGAAGCCATCCACCGTCCCTTGAGACATCGGGAA
GTCGGTTTCCACGACGAACCGAAGCTCTGCCCGGAGCTCCTCAGCAGGCCAACTCTGCACCGCTCCACT
GAGGACCTGAGGATTCGACAAAGCACCAGCTATGGTCATCTGTGTGATGCCAGAGTAGAAGCATGAATG
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CAGTCTGCCATGCTGGGAGGGGTGACAGAGGTGCTGTCCCACAGATTTCTGTTCACTATTAGGAC
CTTCCGGGAGAGCAAAGTCTATAATGAGATTGGCCGAGCCATCGCAACCCTCATGGTGGATGATCTATT
CAGCGATGTGGCTATAAAGCTCGAACCAGAGAAGATCTGATCGCAGGGATTGATGAATTTCTAGACGAG
GTCATTGTCCTTCCCCTGGAGAGTGGGACCCAAACATCAGAATTGAGCCACCCAAGAAAGTCCCTCAG
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GCCATCCAGTGCCTTATTCTGGTGGCCACAGATGCCAGCTTTATCATCAAGTATATCACCCGCTTACCCG
 AAGAGGGCTTCTCCACCCTCATCAGCTTTCATCTACGACGCCATCAAAAAGATGATTGGTGCCTT
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 GATCCCCAAAACGGTATCCACTGTGTTGCCAGAAAAAGATCTTCCAGTTGGAGTTACTCTCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215348 representing NM_001166067
 Red=Cloning site Green=Tags(s)

MDTLQHDGDQMEWKESARWIKFEEKVEEGERWSKPHVSTLSLHSLFELRTCLQTGTVLLDLSDCSLPQI
 IDDVIEKQIEDGLLRPELRERVSIVLLRKHHRQTKKPIHRSLADIGKSVSTTNRSSARSSSAGPTLHRST
 EDLRIRQSTSYGHLCHAQSRSMNDISHTPNTDQRKNKFMKKIPKDSEASNVLVGEVDFLDQPFIAFVRLV
 QSAMLGGVTEVPVTRFLFILLGPSGRAKSYNEIGRAIATLMVDDLSDVAYKARNREDLIAGIDEFLDE
 VIVLPPGEWDPNIRIEPPKVPKADKRKSVFSLAEPGQMNGSVGGGGASAGGGGSGGAGGSGAGGVGSG
 DEAEAMPAMHEIGEELIWTGRFFGGLCLDVKRKLPWFPSDFYDGFHLQSI SAVLF IYLG C I T N A I T F G G L L
 GDATDNYQGVMSFLGTAMAGSLFCLFSGQPLIILSSTGPILIFEKLLDFSKANGLDYMEFRLWIGLHS
 AIQCLILVATDASFIIKYITRFTEEGFSTLISFIFIYDAIKKMIGAFKYYPINTDFKPDFITTYKCEVA
 PDTVNTTIVNASAPLAPNTNTSLYTPLNLTALDWSLLSKKECLSYGGRLLGSSCQFVPDLALMSFILFFG
 TYSMTLTLKKFKFSRYFPTKVRTLVADFSIVFSILLFCGIDACFGLQTPKLHVPSVIKPTRPDRGWVAP
 FGKNPWVYPASILPALLVTILIFMDQITAVIVNRKENLKRKAAGYHLDLFWVGILMALCSFTGLPWYV
 AATVISIAHIDSLKMETETSAPGEQPQFLGVREQVTVGMVFIITGIVSVFLAPILKYIPMPVLYGVFLYM
 GVASLNGIQFWERCKLFLMPAKHQPDHAFLRHVPLRRIHLFTLVQILCLALLWILKSTMAAIIFFVMILG
 LIIVRRLLDLIFSQHDLAWIDNILPEKDKKETDKKKRRKEVHETAEKEVAMPQFLPPSVVKIPMEGIPS
 DPQNGIHCVARKRSSWSYSL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9002_f02.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001166067

ORF Size: 3003 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.

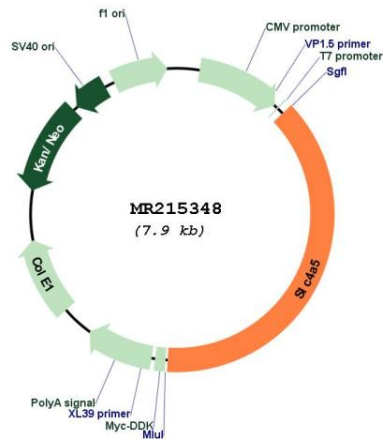
RefSeq: [NM_001166067.1](#), [NP_001159539.1](#)

RefSeq Size: 5141 bp

RefSeq ORF: 3006 bp

Locus ID: 232156
 Cytogenetics: 6 C3
 MW: 112 kDa

Product images:



Circular map for MR215348