

Product datasheet for **MR223954**

Slc45a4 (NM_001168255) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc45a4 (NM_001168255) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc45a4
Synonyms:	9330175B01Rik; AW552276
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR223954 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAATGGCTCCGCAGAATGCCGACTCGGAATCTATGCAAGTACAAGAGCTGCCTGTGCCCTGCCAG
 ACCCTCAGAAACCCAGAGACCCAGAGGGCGAGACCCAAGAGGAGACCACAAGCGAGGGGTCCATAGACAG
 AATCCCCACACGCCTATGGGTATGCATGGGGCAGTGATGTTTGGCAGGGAATTTTGTACGCGATTGGAG
 ACAGCACTGGTTACACCTATACTGTTACAGATAGGCCTCCCTGAGAAGTACTACAGCCTGACCTGGTTCC
 TGAGCCCCGTCCTCGGCCTCATCTTACACCGCTTATTGGCTCTGCAAGTGACCGCTGCACCCTGAGCTG
 GGGCCGCCGGCCCTTCATCCTTGGCTGTGTGGGGTCTCATTGGTGTGCACTTTTCTCAAC
 GGCTCCGCATAGGTCTGGCGCTCGGTGATGTTCCAGCCGGCAGCCATTGGCATTGTCCTCACGGTGC
 TGGGAGTGGTGGTCTGGATTTTCACTGCCGATGCAACTGAAGGGCCATTCTGCTGCCTACCTGCTGGATG
 GGTAGACAGTGAAGGCAAGACATGGCCCTCAACATACACGCCTTCTCTGCTGGCCTTGGTGGGGCCATT
 GGCTACGTGCTGGGTGGGCTGGACTGGACGCAGACCTTCTAGGTGACTGGTCCAGACGAGAACCAGG
 TGCTGTTCTTCTCGCTGCCGTATCTTCTCCGTGTCGGTGGCTCTGCATCTTTCAGCATCGAGGAGGA
 GCAGTACAGCCCACAGCAGGACCGCGGGCTGAGGATCCCACCCTGCCCGCACCAGCGTTCAGCCTGGC
 GCCCAGCCCCTGCCTCCCGCTCAGCTCCCTTGGTGGGGCATGCAGGACGGCAGCCCCCATTCCAG
 ATGAGGTACAGTACAGCAGCAGCTGTCCTTGGACTACCTCGATGTGGACATCGTGCAGCAAGAGTGA
 CTCGGTGTGCACATGGCCGACGCCACACTGGACATGGAGCCCCAGCTGCTTCTTCTGCATGACATCGAA
 CCCTCCATCTTCAAGACGCTTCTACCCAGCACCCCCAGAGCACCAGCCAAGAGCTTCTGAGGGCCA
 AGCTGCCCGCCCTGTCCACGTTCTCAGGGAGTCCACCAAGGAGGACGACACCTTGCTTGATAATCACT
 GAATGAAGCTAAAGTCCCAAATGGGAGAGGCTCCCCACCAATCAACTCCCTCAGCCGCTCCAAGGTAGAC
 TTGAAGCCCTCAGTCACATCTGGTTCATGAGGCGGCGTAGGCACATGTTTCACAGGCAGCCTTCTAGCA
 CCTTCTCTACTACGGCAAGATTGGATCCCACTGCTACCGATACCGCGGGCCAACGCAGTGGTCTCAT
 CAAGCCGTCGCAAGCATGAGCGACCTGTATGACCTGCAGCAGCGGCAGCGCTCCCGCACCGCAACCAG
 AGTGGGGCCACTGCCTCCAGCGGGGACACGGAGAGTGAAGGGTGAAGCAGAGACCACCGTGGCCTGC
 TGTGGCTGTCCATGCTGAAGATGCCAAGGAGCTGATGTGGCTCTGCCTCTGTACCTACTCACTGGTT
 CTCGTCATCGCAGAGGCTGTCTTCTATACTGACTTCATGGCCAGGTTATCTTCAAAGGGAACCCGCAG
 GCCCCTCCAACCTCCACCAAGTGGCATGCCTACAATGCTGGCGTGAAGATGGGCTGCTGGGGCTGGTCA
 TCTACGCTGCTACTGGTGTATCTGCTCAGCCTTGTACAGAAGTACCTGGACAATATGACCTGAGCAT
 CAGGATCATCTACATGTTGGGGACACTGGGCTTCTCCGTGGGCACCGCTGTGATGGCCATGTTTCCCAAC
 GTCTACGTGGCCATGGTCAACATCAGCACCATGGGTGTTGTCTCGATGAGCATCTCTACTGCCCTATG
 CCCTCCTAGGGCACTACCATGACATCAAGGAGTATGTCCACCACAGTCCGGGGAATTCGAAGCGTGGATT
 TGGCATTGACTGCGCCATCCTCTCTGTGAGGTCTACATCTCCAGATCCTGGTTGCATCTGCCCTTGGG
 GCGTGGTGCAGCTGTGAATAGTATCGTTGTCTATCCCATAGTGGCCTCTGTAGGCTCTTCTGGGCT
 TCTTGACAGCCACATTCTGGTCTATACCCTGAGGTGTGAGAGGAACCTAAGGAGGAACAGAAAGGCT
 GTCCTCAGGGCCCGCTGGCGAAGGCGAGGGTGGAGCGGGCAGTGAGAAGCCCACTGTACTGAAGCTGTCT
 CGGAAAGGGGGCCTTCGGGGCTGGTGGAGACGGAGTCCATGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>MR223954 protein sequence
 Red=Cloning site Green=Tags(s)

MKMAPQNADSESMQVQELPVPLPDPQKPRDPEAETQEETTSEGSIDRIPTRLWVMHGAVMFGREFCYAME
 TALVTPILLQIGLPEKYYSLTWFLSPVLGLIFTPLIGSASDRCTLSWGRRRPFILALCVGVLIGVALFLN
 GSAIGLALGDVPSRQPIGIVLTVLGVVLDVSADATEGPIRAYLLDVVDSEEQDMALNIHAFSAGLGGAI
 GYVLGGLDWTQTFLGDWFQTQNVLFFFAAVIFSVSVALHLFSIEEEQYSPQQDRGPEDPTLPGTSVQPG
 APAPASRLSSLGGMQDGSPPFPDEVQSEHELSDYLDVDIVRSKSDSVLHMADATLDMEPQLLFLHDIE
 PSIFQDASYPSTPQSTSQELLRAKLPRLSTFLRESTKEDDTLLDNHLNEAKVPNGRGSPPINLSRSKVD
 LKPSVTS GSMRRRRHMFHRQASSTFSYYGKIGSHCYRIRANAVVLKPSRMSDLYDLQQRQSRHRNQ
 SGATASSGDTESEEGETETTVRLLWLSMLKMPKELMWLCLCHLLTWFVIAEAVFYDFMGQVIFKGNPQ
 APSNSTKWHAYNAGVKMGCWGLVIYAATGAICALLQKYLDNYDLSIRIIYMLGTLGFSVGTAVMAMFPN
 VYVAMVTISTMGVVMSISYCPYALLGHYHDIKEYVHHSPGNKRGFGIDCAILSCQVYISQILVASALG
 GVVDAVNSIVVIPIVASVGSFLGFLTATFLVIYPEVSEEPKEEQKGLSSGPAGEGEGGAGSEKPTVLKLS
 RKGGLRGLVETESMV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001168255

ORF Size: 2358 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_001168255.1](#), [NP_001161727.1](#)

RefSeq Size: 3737 bp

RefSeq ORF: 1776 bp

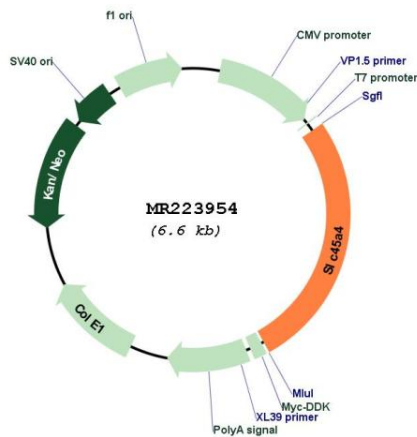
Locus ID: 106068

UniProt ID: [Q0P5V9](#)

Cytogenetics: 15 D3

MW: 85.8 kDa

Product images:



Circular map for MR223954