

Product datasheet for **MR215361**

Slc9a6 (NM_172780) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Slc9a6
Synonyms:	3732426M05; 6430520C02Rik; mKIAA0267; NHE6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR215361 representing NM_172780
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTGGGGCTCGGCGGGCTGGCGGCTGGCGCCGTTGCGCGTGGCGTCTGCGGGCCCCGGGCGCGTC
 CGCTCATGCGGCCCTTTGGTTGCTCTTCGAGTGAGCTTCTTTGGCTGGACCGGGCTCTGGACGGCTC
 CGGGGGAACGACGAGGCCATGGACGAGGAGATCGTGTCCGAGAAGCAGCGGAGGAGGCCATCGGCAG
 GACAGCGCCAACCTGCTCATCTTCATCCTGCTGCTCACCTCACCATCTGACGATCTGGCTCTTCAAGC
 ACCGCCGGGCCGCTTCTGCACGAAACCGGCTTGTATGATTTATGGTCTTTGGTAGGCCTCGTGCT
 TCGGTACGGCATTGATGTTTCAAGCGATGTGAATAATGTGACTCTGAGCTGTGAAGTGCAGTCAAGTCCA
 ACTACCTTGTGGTCAACGTCAAGTGAATAATTTATGAGTATACGCTGAAAGGAGAGATTAGCTCACATG
 AACTCAACAATGTTCAAGATAATGAAATGCTTAGGAAGGTTACTTTTGATCCAGAAAGTCTTTTCAACAT
 ACTGCTTCTCTATCATATTTATGCAGGTTACAGTCTCAAAGGAGACATTTCTCCGGAACCTTGGG
 TCTATCTTAGCATATGCCTTTCTTGAACAGCAATTTCTGTTTCGTTATTGGGTCCATCATGTATGGCT
 GTGTAACCTGTGAAGGTGACCGGCGAGCTCGCGGAGATTTTACTTTACAGATTGCTTGTGTTGG
 TGCCATTGTTTACGCCACCGACCCAGTACTGTTCTTGCCATCTTCCATGAGCTTCAAGTTGACGTTGAA
 CTCTACGCTCTTCTTTCGGGAAAGTGTCTCAATGACGCGGTTGCCATAGTGTCTCTCTCAATAG
 TGGCATACGACCCAGCGGAGACAACAGCCACACCTTTGACGTTACAGCCATGTTCAAATCTATTGGAAT
 CTTCTTGGGATCTTCAAGTGGATCTTTGCAATGGGTGCTGCAACAGGCGTGGTAACAGCTTTAGTGACA
 AAGTTCACAAAGCTGAGAGAGTTCCAGCTGTTGGAGACAGGCTTTTCTTCTGATGCTCTGGAGCACCT
 TTCTTCTGGCTGAAGCATGGGGTTTACAGGTGTGGTTGCAGTATTGTTTGTGGCATCACACAAGCACA
 TTACACGTACAATAATTTGTCTACAGAGTCTCAGCATAGAACAAGCAGTTGTTTGAGCTTCTCAATTTT
 TTAGCGGAGAATTTCTATCTTTCTACATGGGGCTGACGCTGTTTACCTTCCAGAAATCACGCTTTAACC
 CAACATTTGTCTGAGGAGCATTCATTGCTATTTCTTGGGAAGAGCTGCCAATATTTATCCCTTGTCTCT
 CTTACTTAATTTGGGTAGAAGAAGTAAGATTGGATCAAATTTTCAACACATGATGATGTTTGTGGTCTT
 CGTGGTGAATGGCATTGCTTGGCCATTGAGATACTGCCACTTATGCACGACAAATGATGTTTCAGCA
 CCACACTTCTGATCGTGTGTTTTACTGTGTGGGTATTTGGTGGTGGCACCCTGCCATGCTGTCATGCCT
 GCATATAAGGGTGGTGTGATTGAGACCAAGAATTTGGGTGTTCTGACAACGAAAGGAGAACCACC
 AAAGCAGAGAGTGCCTGGCTCTTTCGGATGTGGTACAATTCGATCATAACTATCTGAAGCCCTGCTGA
 CCCACAGTGGGCTCTCTGACTACCACACTCCAGCCTGCTGTGGGCCAATCGCCAGGTGCCTGACCAG
 CCCCCAAGCATATGAAAACAGGAGCAGTTGAAAGATGATGACTCTGATCTCATTCTCAATGATGGTGAT
 ATCAGTCTGACATATGGGGATTCTACTGTGAACACCGAGTCCGCAACAGCCAGCGCCCAAGGAGATTTA
 TGGGCAACAGTTCTGAAGATGCCTTGGACCGGAGCTTACATTTGGGGACCACGAAGTATTCGTTGG
 CACACGCTGGTCTTCCGATGGATGATTCTGAACCTGCGTTAAATTCATTAGATGATACGAGACACAGT
 CCGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215361 representing NM_172780

Red=Cloning site Green=Tags(s)

MAGARRGWRLAPVRRGVCGRARPLMRPLWLLFAVSFFGWTGALDGGSGTTRAMDEEIVSEKQAEESHRO
DSANLLIFILLTLTILTIWLFKHRRARFLHETGLAMIYGLLVGLVRYGIHVPDNNVTLSCEVQSSP
TTLLVNVSGKFYEYTLKGEISSHELNNVDNEMLRKVTFDPEVFFNILLPPIIFYAGYSLKRRHFRNLG
SILAYAFGLTAISCFVIGSIMYGCVTLMKVTGQLAGDFYFTDCLLFGAIVSATDPVTVAIFHELQVDVE
LYALLFGESVLNDAVAIVLSSSIVAYQPAGDNSHTFDVTAMFKSIGIFLGIFSGSFAMGAATGVVTALVT
KFTKLREFQLLETGLFFLMSWSTFLAEAWGFTGVVAVLFCGITQAHYTYNNLSTESQHRTKQLFELLNF
LAENFISYMGTLTFTFNHVFNPFTFVGAFIAIFLGRAANIYPLSLLNLGRRSKI GSNFQHMMMFAGL
RGAMAFALAIRDTATYARQMMFSTLLIVFFTVWVFGGTTAML SCLHIRVGVDSQDEHLGVPDNERRTT
KAESAWLFRMWNFDHNYLKPLLTHSGPPLTTTL PACCGPIARCLTSPQAYENQEQLKDDSDLI LNDGD
ISLTYGDSTVNTESATASAPRRFMGNSSDALDRELTFGDHEL VIRGTRLVLPMDSEPALNSLDDTRHS
PA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

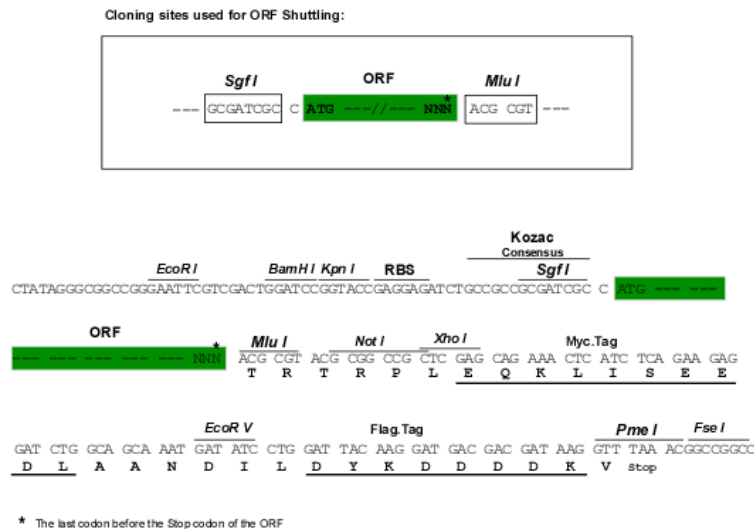
Chromatograms:

https://cdn.origene.com/chromatograms/mm9004_f07.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_172780

ORF Size:

2106 bp

OTI Disclaimer:

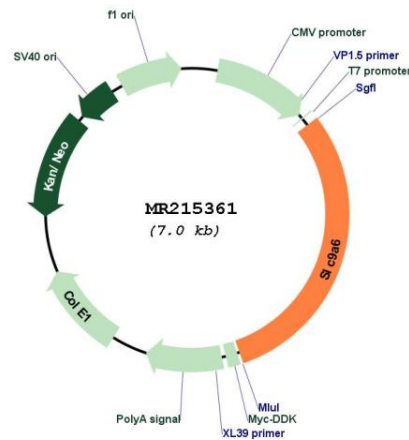
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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:	<u>NM_172780.4</u>
RefSeq Size:	4920 bp
RefSeq ORF:	2109 bp
Locus ID:	236794
Cytogenetics:	X A5- A6
MW:	78.4 kDa

Product images:



Circular map for MR215361