

Product datasheet for **SC318415**

SLC4A9 (NM_031467) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SLC4A9
Synonyms:	AE4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>SC318415 representing NM_031467.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGAATGAAGCTGCCAGGCCAGGAAGGGTTTGAAGCCTCCAGTGCTCCTAGAAATATTCCTTCAGGG
GAGCTGGACAGCAACCTGACCCTGGCACCAGGCCAGCCCTGATGGCCCTCAGACACAGAGAGCAAG
GAACTGGGAGTACCCAAAGACCCTCTGCTCTTCACTCAGCTGAATGAGCTGCTGGGCTGGCCCCAGGCG
CTGGAGTGGAGAGAGACAGGCAGGTGGTACTGTTTGAAGGAGAAGTTGGAGGTGGCTGCAGGCCGGTGG
AGTGCCCCCAGCTGCCACCTTGGCACTGCCAGCCTCCAGAAGCTCCGCAGCCTGCTGGCCGAGGGC
CTTGACTGCTGGACTGCCAGCTCAGAGCCTCCTGGAGCTCGTGGAGCAGGTGACCAGGGTGGAGTCCG
CTGAGCCCAAGAGCTGAGAGGGCAGTTGCAAGCCTTGGTCTGCTGACAGAGACCCAGCATTACAACAGACC
ACAGGCACCAAGGCCCTGCTGGGGCTCTACTCATCAAGAAAGGCTTCTGACAATGAGGAAGCCCCCTG
AGGGAACAGTGTGAGAACCCCTGAGACAGAAGCTACCTCCAGGAGCTGAGGCAGGGACTGTGCTGGCA
GGGAGCTGGGCTTCTGGCACAGCCTGGGAGCCTTGTTCGACTGCGGAACCTGTGTTACTGGGG
TCCCTTACTGAGGTGTCCCTCCCAAGCAGTTTTTCTGCCTTCTCCTGGGCCCTGTATGCTGGGAAAG
GGCTACCATGAGATGGGACGGGACGAGCTGTCTCCTCAGTGACCCGCAATTCAGTGGTCACTTCGT
CGGGCCAGCAACCTTATGACCTTCTGGCAGCCTGGATGCATTCTAGAGGAGGTGACAGTGTCTCC
CCAGGTGCGTGGGACCAACAGCCCGGATTCCCGGCCCAATGTCTGCCATCTCAGCAGAAAGGCTT
CCCTCGCAACAGCGGGAGATCAGAGGTCCCGCCGTCCCGCGCTGACCTCGGCTGAGGACAGGCACCGC
CATGGGCCACACGACACAGCCCGGAGTTGACGCGGACCGGAGGCTGTTGGGGCTTATCCAGGAC
GTGCGCAGGAAGGTCCCGTGGTACCCAGCGATTTCTGGACGCCCTGCATCTCAGTGTCTCTCGGC
GTACTCTACATTTACCTGGCCACTGTCACTAATGCCATCACTTTTGGGGTCTGCTGGGAGATGCCACT
GATGGTGCCAGGAGTGTGGAAGTTTCTGGGCACAGCAGTGGCTGGAGTGCCTTCTGCCTGATG
GCAGGCCAGCCCCCTACCATTTCTGAGCAGCAGGGGCCAGTGTGGTCTTTGAGCGCTGCTCTTCTCT
TTCAGCAGAGATTACAGCCTGGACTACCTGCCCTTCCGCCTATGGTGCGCATCTGGTGCTACCTTT
TGCTGGTGTGCTGGTGCCACAGAGGCCAGTGTGCTGGTGCGCTACTTACCCGCTTCACTGAGGAAGGT
TTCTGTGCCCTCATCAGCCTCATCTTCTACATCTACGATGCTGTGGGCAAAATGCTGAATTTGACCCATACC
TATCTATCCAGAAGCCTGGGTCTCTGCCTACGGGTGCCTTGCCTAATCCAGGCCAGGAGGAAAT
GAGTCTCAATGGATAAGGACAAGGCCAAAAGACAGAGACGACATTGTAAGCATGGACTTAGCCCTGATC
AATGCATCCTTGTGCGCCACCTGAGTGCACCCGGCAGGGAGGCCACCCTCGTGGCCCTGGCTGTCTAT
ACAGTCCCAGACATTGCCTTCTTCTCCCTTCTCCTTCTCTTACTTCTTCTTTGCTATGGCCCTC
AAGTGTGTAAGACAGCCGCTTCTTCCCTCTGTGGTGCGCAAGGGCTCAGCGACTTCTCCTCAGTC
CTGGCCATCCTGCTCGGCTGTGGCCTTGTGCTTCTTGGGCTAGCCACACCAAGCTCATGGTACCC
AGAGAGTTCAAGCCACACTCCCTGGGCGTGGCTGGCTGGTGTACCTTTTGGAGCCAACCCCTGGTGG
TGGAGTGTGGCAGCTGCCCTGCCTGCCCTGCTGCTGTCTATCTCATCTTATGGACCAACAGATCACA
GCAGTCATCTCAACCGCATGGAATACAGACTGCAGAAGGGAGCTGGCTTCCACCTGGACCTCTTCTGT
GTGGCTGTGCTGATGCTACTCAGTGTGGCTGGCTGGCTGGTGTACCTTTTGGAGCCAACCCCTGGTGG
CTGGCTCAGATGGACAGTCTTGGAGAGAGAGCAGAGCCTGTGCCCGGGGAGCGCCCAACTTCTG
GGTATCAGGGAACAGAGGCTGACAGGCCTGGTGGTGTTCATCTTACAGGAGCCTCCATCTTCTGGCA
CCTGTGCTCAAGTTCAATCCAATGCCTGTGCTCTATGGCATCTTCTGTATATGGGGTGGCAGCGCTC
AGCAGCATTCAGTTCAATAAGGGTGAAGCTGTTGTTGATGCCAGCAAAACACCAGCCAGACCTGCTA
CTCTTGGCGCATGTGCTCTGACCAGGGTCCACCTCTTACAGCCATCCAGCTTGGCTGTCTGGGGCTG
CTTTGGATAATCAAGTCTACCCCTGCAGCCATCATCTTCCCTCATGTTGCTGGGCTTGTGGGGGTG
CGAAAGGCCCTGGAGAGGGTCTTCTCACCACAGGAACCTCTGGCTGGATGAGCTGATGCCAGAGGAG
GAGAGAAGCATCCCTGAGAAGGGGTGGAGCCAGAACACTCATTAGTGAAGTGACAGTGAAGATTCA
GAGCTGATGTATCAGCCAAAGGCTCCAGAAATCAACATTTCTGTGAATTAG
ACGCGTACGCGGCCGCTCAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_031467

Insert Size:

2880 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_031467.2</u>
RefSeq Size:	3293 bp
RefSeq ORF:	2880 bp
Locus ID:	83697
UniProt ID:	<u>Q96Q91</u>
Cytogenetics:	5q31.3
Protein Families:	Druggable Genome, Transmembrane
MW:	105.7 kDa
Gene Summary:	The protein encoded by this gene is a membrane protein involved in anion exchange. Expression of this gene is mostly limited to the kidney. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012] Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (2) lacks an alternate internal segment compared to isoform 1.