OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC122924

SLC17A9 (NM_022082) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC17A9 (NM_022082) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC17A9
Synonyms:	C20orf59; POROK8; VNUT
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_022082 edited
CCAGACGGAAGCGCGCTGGGACTGACACGTGGACTTGGGCGGTGCTGCCCGGGTGGGTCA
GCCTGGGCTGGGAGGCAGCCCCGGGACACAGCTGTGCCCACGCCGTCTGAGCACCCCAAG
CCCGATGCAGCCACCCCCAGACGAGGCCCGCAGGGACATGGCCGGGGACACCCAGTGGTC
CAGGTGGAACCACCCTGTGTATGCATGACCCTGACAAGCAGGCGCCAGGACAGTCAGGAG
GCCAGGCCCGAGTGCCAGGCATGGACGGGGACGCTGCTGCTGGGCACGTGCCTTCTGTAC
TGCGCCCGCTCCAGCATGCCCATCTGCACCGTCTCCATGAGCCAGGACTTCGGCTGGAAC
AAGAAGGAGGCCGGCATCGTGCTCAGCAGCTTCTTCTGGGGCTACTGCCTGACACAGGTT
GTGGGCGGCCACCTCGGGGATCGGATTGGGGGTGAGAAGGTCATCCTGCTGTCAGCCTCT
GCCTGGGGCTCCATCACGGCCGTCACCCCACTGCTCGCCCACCTGAGCAGTGCCCACCTG
GCCTTCATGACCTTCTCACGCATCCTCATGGGCTTGCTCCAAGGGGTTTACTTCCCTGCC
CTGACCAGCCTGCTGTCGCAGAAGGTGCGGGAGAGTGAGCGAGCCTTCACCTACAGCATC
GTGGGCGCCGGCTCCCAGTTTGGGACGCTGCTGACCGGGGCGGTGGGCTCCCTGCTCCTG
GAATGGTACGGCTGGCAGAGCATCTTCTATTTCTCCGGCGGCCTCACCTTGCTTTGGGTG
TGGTACGTGTACAGGTACCTGCTGAGTGAAAAAGATCTCATCCTGGCCTTGGGTGTCCTG
GCCCAAAGCCGGCCGGTGTCCAGGCACAGCAGAGTCCCCTGGAGACGGCTCTTCCGGAAG
CCTGCTGTCTGGGCAGCCGTCGTCTCCCAGCTCTCTGCAGCCTGCTCCTTCTTCATCCTC
CTCTCCTGGCTGCCCACCTTCTTCGAGGAGACCTTCCCCGACGCCAAGGGCTGGATCTTC
AACGTGGTTCCTTGGTTGGTGGCGATTCCGGCCAGTCTATTCAGCGGGTTTCTCTCTGAT
CATCTCATCAATCAGGGTTACAGAGCCATCACGGTGCGGAAGCTCATGCAGGGCATGGGC
CTTGGCCTCTCCAGCGTCTTTGCTCTGTGCCTGGGCCACACCTCCAGCTTCTGTGAGTCT
GTGGTCTTTGCATCAGCCTCCATCGGCCTCCAGACCTTCAACCACAGTGGCATTTCTGTT
AACATCCAGGACTTGGCCCCGTCCTGCGCCGGCTTTCTGTTTGGTGTGGCCAACACAGCC
GGGGCCTTGGCAGGTGTCGTGGGTGTGTGTCTAGGCGGCTACTTGATGTAGACCACGGGC
TCCTGGACTTGCCTGTTCAACCTTGTGGCCATCATCAGCAACCTGGGGCTGTGCACCTTC
CTGGTGTTTGGACAGGCTCAGAGGGTGGACCTGAGCTCTACCCATGAGGACCTCTAGCTC
CCAACCCCACAGCCTCTCCAAGGACCCAGGCGCCAGCAGCCCCGGGACACAGGGGACTCA
GTGTGTGGGACTTGGTCACTCCATGTCAGACACACGAGCAGAGAGGAACACAAACCACTG
TGGAGCCTGAAGCTCCTTAAGAAGAGTCCACAACAGCTGGTGGGAGGGTGGGGTGGGCCT
GGGTCCAGACCAGGCTCGCTGCTCTCTGGGCCTCAGTTTCCCCACCTGCCAGCGGGCTCG
GCCCTGTCCTCCTCACAGGCTGGTGTGGCCGTCAGGGTGGGTGGGGTTATTGTTAGTAGG
CGCAGCCTCATTCCCACCACGATCTGTTCCGCGTGGTTCCCGCCAAACCTCCCTCGGTCG
CCGTGTTCTCCGCAAGCCTCCTGCAGCGCCCGCCTGCCAATGTGAGGCTGGCACCAGGCT
GCAGCCTCCCCAATCCCAGCCCACTTTGCTGTGTCTCTGGCGGGCTGTCCTCCTTGGTGG
GAGCTGTCCTGCACACTGTAGGATGCTTAAAGGTATCCCTGGCCTCCACCCACCCCTAGC
CAGCAGCTCCCAGTCAGACAACAGCCAGAAATGTCTCCAGACTCTGCCCAGCCTCCCCAG
GTAGCCACCCTCGAGACACGACCTCAGAGTCTCTGTGTCTCCTAGAAGCCTGACAGAGAC
CCCCAGGGCAGTGGGTGGGTGGCGGGCTAGAGACCCTTGCCTGTGTCCGGGACCCTGGCG
CCGCTCTCCCCTCCTGTGGATCCCTCCGCACTAACAGTGTTCTCAGTGGGCAGACGCCTG
GGCACCCCTTGGGCCCTGCCCAGCATGGCCATGGCGCAGGCTCTCGAACCCGCATGGCTT
TCCCAGGCCTGGTGATTCTGCTCTCCAGGGACGGTTGGCACCTTCCTCGGGGGCGGGCCC
CACGCACCCCAGAACACACAGACCCACCTTTCTGGCGTTCTTTCTACCTCCCTTTTCGTT
GCCTGAGGAGCTGGTGGTTTCATGAGTTAATGATACATCTTGCAAGGTGTACACATAGAG
AAAAAAACCTAAAAATGTGGAAAAGCACGCCAAAGCCTTATTTAAATAATAACTATTAAA
CTATTCAAAAAGAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_022082 unedited
GGGGAGTCATATTTTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGGCCAG
ACGGAAGCGCGCTGGGACTGACACGTGGACTTGGGCGGTGCTGCCCGGGTGGGTCAGCCT
GGGCTGGGAGGCAGCCCCGGGACACAGCTGTGCCCACGCCGTCTGAGCACCCCAAGCCCG
ATGCAGCCACCCCCAGACGAGGCCCGCAGGGACATGGCCGGGGACACCCAGTGGTCCAGG
TGGAACCACCCTGTGTATGCATGACCCTGACAAGCAGGCGCCAGGACAGTCAGGAGGCCA
GGCCCGAGTGCCAGGCATGGACGGGGACGCTGCTGCTGGGCACGTGCCTTCTGTACTGCG
CCCGCTCCAGCATGCCCATCTGCACCGTCTCCATGAGCCAGGACTTCGGCTGGAACAAGA
AGGAGGCCGGCATCGTGCTCAGCAGCTTCTTCTGGGGCTACTGCCTGACACAGGTTGTGG
GCGGCCACCTCGGGGATCGGATTGGGGGTGAGAAGGTCATCCTGCTGTCAGCCTCTGCCT
GGGGCTCCATCACGGCCGTCACCCCACTGCTCGCCCACCTGAGCAGTGCCCACCTGGCCT
TCATGACCTTCTCACGCATCCTCATGGGCTTGCTCCAAGGGGTTTACTTCCCTGCCCTGA
CCAGCCTGCTGTCGCAAAAGGTGCGGGAGAGTGAGCGAGCCTTCACCTACAGCATCGTGG
GGCGCCGGCTCCCAGTTTGGGACGCTGCTGACCGGGGCGGGTGGGCTCCCTGCTCCCTGG
ATGGTACGGCTGGGCAGACATTCTCTATTTCTCCGGCGGCCCTACCTTGCTTTGGTGGGG
TACGTGTACAGGGACCGGCCGAGTGAAAAATATCG
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Restriction Sites: Please inquire

ACCN: NM_022082

Insert Size: 2610 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).

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_022082.2, NP_071365.2

RefSeq Size: 2610 bp

RefSeq ORF: 1167 bp

Locus ID: 63910

UniProt ID: Q9BYT1

Cytogenetics: 20q13.33

Protein Families: Transmembrane

Gene Summary: This gene encodes a member of a family of transmembrane proteins that are involved in the transport of small molecules. The encoded protein participates in the vesicular uptake, storage, and secretion of adenoside triphosphate (ATP) and other nucleotides. A mutation in this gene was found in individuals with autosomal dominant disseminated superficial actinic porokeratosis-8. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]
Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (1).