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Product datasheet for SC318119

TMEM16K (ANO10) (NM_018075) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM16K (ANO10) (NM_018075) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM16K
Synonyms:	SCAR10; TMEM16K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>SC318119 representing NM_018075.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAAGTGACCTTATCAGCTTTGGATACTTCTGAGAGTTCTTTCACACCTTTGGTGGTCATAGAACTT
GCTCAGGATGTCAAAGAAGAAACCAAAGAATGGCTGAAAAACAGAATTATAGCTAAAAAAAAAGATGGA
GGTGCCCAGTTGTTGTTTAGACCATTGTTAAATAAATATGAACAAGAAACACTAGAAAATCAGAACTTA
TATCTTGTTGGTGCCTCCAAGATTAGAATGTTACTAGGGGCAGAAGCAGTGGGATTGGTAAAAGAGTGC
AATGATAACACCATGAGAGCCTTCACATACAGAACCAGACAGAACTTCAAAGGTTTTGATGATAACAAT
GATGATTTCCTGACAATGGCAGAATGTCAATTCATTATCAAACATGAACTTGAAAATCTTAGAGCTAAA
GATGAAAAAATGATCCCTGGTTACCCTCAGGCAAAGTTGTATCCAGGAAAATCATTGTTGAGAAGATTG
CTCACGTCTGGCATCGTGATTCAGGTGTTTCCACTGCATGACAGTGAAGCCCTGAAGAAGCTTGAGGAC
ACCTGGTACACTCGGTTTGCTTTGAAGTATCAGCCCATAGACAGTATTCGTGGCTACTTTGGGGAAACA
ATTGCTCTGTACTTTGGATTTTTGGAGTATTTCACTTTTGCATTAATCCCCATGGCTGTCATTGGGTTA
CCTTACTACTTGTTTGTGTGGGAAGACTATGACAAGTACGTGATCTTTGCCTCGTTCAACCTCATCTGG
TCCACGGTGATTCTGGAACTGTGGAAGCGTGGCTGTGCCAACATGACCTACAGGTGGGGGACACTGCTC
ATGAAGAGAAAGTTTGAGGAGCCCCGGCCAGGATTTCATGGTGTCTTGGGTATCAATTCCATCACTGGG
AAGGAGGAGCCTCTGTACCCCAGCTACAAGAGACAGTTGCGCATTTACCTGGTCTCCCTGCCATTCGTG
TGCCTCTGCCTCTATTTCTCACTGTATGTCATGATGATTTACTTCGACATGGAGGTTTGGGCCTTGGGT
CTACATGAGAACAGCGGGTCTGAGTGGACCAGTGTCCTGTTGTATGTGCCCAGCATCATCTATGCCATT
GTGATTGAGATCATGAATCGTCTCTATCGATATGCTGCCGAGTTTTTAACTTCATGGGAGAATCACAGA
TTGGAATCTGCCTATCAGAACCATCTAATTCTGAAAGTTTTAGTGTTCAACTTCCTCAATTGCTTTGCC
TCACTCTTCTATATTGCCTTTGTCTTGAAAGATATGAAGCTTTTGCGCCAGAGCTTGGCCACTCTCCTA
ATTACCTCCCAGATCCTCAACCAAATTATGGAATCTTTTCTTCCTTATTGGCTCCAAAGGAAGCATGGT
GTGCGGGTGAAGAGGAAGGTGCAGGCTTTAAAGGCAGACATTGATGCTACATTATATGAACAAGTCATC
CTGGAAAAAGAAATGGGAACTTATTTGGGCACCTTTGATGATTACTTGGAGTTATTCCTGCAGTTTGGT
TATGTGAGCCTTTTCTCCTGTGTTTACCCATTAGCAGCTGCCTTTGCTGTGTTAAATAACTTCACTGAA
GTAAATTCAGATGCCTTAAAAATGTGCAGGGTCTTCAAACGTCCATTCTCAGAACCTTCAGCCAATATT
GGTGTGTGGCAGTTGGCTTTTGAAACGATGAGTGTTATATCTGTGGTCACTAACTGTGCGCTGATTGGA
ATGTCACCACAAGTGAATGCAGTCTTTCCAGAATCAAAAGCAGACCTCATTTTGATTGTAGTAGCAGTG
GAGCACGCACTCCTGGCTTTAAAGTTTATACTTGCATTTGCCATACCTGATAAGCCACGGCATATCCAG
ATGAAACTAGCCAGACTGGAATTTGAGTCTTTGGAGGCACTCAAGCAGCAGCAAATGAAGCTCGTGACC
GAGAACCTGAAGGAGGAACCAATGGAAAGCGGGAAGGAGAAGGCAACCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_018075

Insert Size: 1983 bp

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OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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.
RefSeq:	NM_018075.3
RefSeq Size:	2743 bp
RefSeq ORF:	1983 bp
Locus ID:	55129
UniProt ID:	Q9NW15
Cytogenetics:	3p22.1-p21.33
Domains:	DUF590
Protein Families:	Transmembrane
MW:	76.3 kDa
Gene Summary:	The transmembrane protein encoded by this gene belongs to the anoctamin family of calcium-activated chloride channels, also known as the transmembrane 16 family. The encoded protein contains eight transmembrane domains with cytosolic N- and C-termini. Defects in this gene may cause autosomal recessive spinocerebellar ataxia-10. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2016] Transcript Variant: This variant (1) encodes isoform (1). Variants 1 and 11 encode the same isoform.

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