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:** ANO10
- **Synonyms:** SCAR10; TMEM16K
- **Vector:** pCMV6-Entry (PS100001)
- **E. coli Selection:** Kanamycin (25 μg/mL)
- **Cell Selection:** Neomycin

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This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
Fully Sequenced ORF:

ATGAAAGTGACCTTATCAGCTTTGGATACTTCTGAGAGTTCTTTCACACCTTTGGTGGTCATAGAACTTGCTCAGGATGTCAAAGAAGAAACCAAAGAATGGCTGAAAAACAGAATTATAGCTAAAAAAAAAGATGGAGGTGCCCAGTTGTTGTTTAGACCATTGTTAAATAAATATGAACAAGAAACACTAGAAAATCAGAACTTATATCTTGTTGGTGCCTCCAAGATTAGAATGTTACTAGGGGCAGAAGCAGTGGGATTGGTAAAAGAGTGCAATGATAACACCATGAGAGCCTTCACATACAGAACCAGACAGAACTTCAAAGGTTTTGATGATAACAATGATGATTTCCTGACAATGGCAGAATGTCAATTCATTATCAAACATGAACTTGAAAATCTTAGAGCTAAAGATGAAAATGATCCCTGGTTACCCTCAGGCAAAGTTGTATCCAGGAAAATCATTGTTGAGAAGATTGCTCACGTCTGGCATCGTGATTCAGGTGTTTCCACTGCATGACAGTGAAGCCCTGAAGAAGCTTGAGGACACCTGGTACCTCGGTTTGCTTTGAAGTATCAGCCCATAGACAGTATTCGTGGCTACTTTGGGGAAACAATTGCTCTGTAATCTTTGGATTTTGGGATTTTTGGAGTATTTCACTTTTGCATTAATCCCATG6CTGTCATTGTTACCTTACTACGTTTGGTGAGATGAGACTGGAATCTGCCTATCAACATCTAATTCTGAAAGTTTTAGTGTTCAACTTCCTCAATTGCTTTGCCTCACTCTTCTATATTGCA

Restriction Sites:

SgfI-MluI

ACCN:

NM_018075

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.

RefSeq: NM_018075.3, NP_060545.3
RefSeq Size: 2743 bp
RefSeq ORF: 1983 bp
Locus ID: 55129
Cytogenetics: 3p22.1-p21.33
Domains: DUF590
Protein Families: Transmembrane
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.