

## Product datasheet for **SC331615**

### TMEM16K (ANO10) (NM\_001204833) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TMEM16K (ANO10) (NM\_001204833) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TMEM16K  
**Synonyms:** SCAR10; TMEM16K  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331615 representing NM\_001204833.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

ATGAAAGTGACCTTATCAGCTTTGGATACTTCTGAGAGTCTTTTCACACCTTTGGTGGTCATAGAAGCTT
GCTCAGGATGTCAAAGAAGAAACCAAAGAATGGCTGAAAAACAGAATTATAGCTAAAAAAGATGGA
GTGAGAAGATTGCTCACGTCTGGCATCGTGATTCAGGTGTTTCCACTGCATGACAGTGAAGCCCTGAAG
AAGCTTGAGGACACCTGGTACACTCGGTTTGGTGAAGTATCAGCCATAGACAGTATTCGTGGCTAC
TTTGGGAAACAATTGCTCTGTACTTTGGATTTTGGAGTATTTCACTTTGCATTAATCCCATGGCT
GTCATTGGGTTACCTTACTACTTGTGTTGTGGGAAGACTATGACAAGTACGTGATCTTTGCCTCGTTC
AACCTCATCTGGTCCACGGTGATTCTGGAAGTGTGGAAGCGTGGCTGTGCCAACATGACCTACAGGTGG
GGGACACTGCTCATGAAGAGAAAGTTTGGAGAGCCCCGGCCAGGATTTTCATGGTGTCTTGGGTATCAAT
TCCATCACTGGGAAGGAGGAGCCTCTGTACCCAGCTACAAGAGACAGTTGCGCATTTACCTGGTCTCC
CTGCCATTCGTGTGCCTCTGCCTCTATTTCTCACTGTATGTATGATGATTTACTTCGACATGGAGGTT
TGGGCCTTGGGTCTACATGAGAACAGCGGGTCTGAGTGGACCAGTGTCTGTGTATGTGCCAGCATC
ATCTATGCCATTGTGATTGAGATCATGAATCGTCTCTATCGATATGCTGCCGAGTTTTAACTTCATGG
GAGAATCACAGATTGGAATCTGCCTATCAGAACCATCTAATTCTGAAAGTTTTAGTGTTCACTTCTCTC
AATTGCTTTGCCCTCACTCTTCTATATTGCCTTTGTCTTGAAAGATGAAGCTTTTGGCCAGAGCTTG
GCCACTCTCCTAATTACCTCCCAGATCCTCAACCAAAATTATGGAATCTTTCTTCTTATTGGCTCCAA
AGGAAGCATGGTGTGCGGTGAAGAGGAAGGTGCAGGCTTTAAAGGCAGACATTGATGCTACATTATAT
GAACAAGTCATCTGGAAAAAGAAATGGGAACCTATTTGGGCACCTTTGATGATTACTTGGAGTTATTC
CTGCAAGTTGGTTATGTGAGCCTTTTCTCCTGTGTTTACCATTAGCAGCTGCCTTTGCTGTGTTAAAT
AACTTCACTGAAGTAAATTCAGATGCCTTAAAAATGTGCAGGGTCTTCAAACGTCCATTCTCAGAACCT
TCAGCCAATATTGGTGTGTGGCAGTTGGCTTTTGAACGATGAGTGTATATCTGTGGTCACTAACTGT
GCGCTGATTGGAATGTCACCACAAGTGAATGCAGTCTTTCCAGAATCAAAGCAGACCTCATTTTGATT
GTAGTAGCAGTGGAGCACGCACTCTGGCTTTAAAGTTTATACTTGCACTTGGCCATACCTGATAAGCCA
CGGCATATCCAGATGAACTAGCCAGACTGGAATTTGAGTCTTTGGAGGCACTCAAGCAGCAGAAATG
AAGCTCGTGACCGAGAACCTGAAGGAGGAACCAATGAAAAGCGGGAAGGAGAAGGCAACCTGA
  
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001204833



[View online »](#)

<b>Insert Size:</b>	1650 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001204833.1</a>
<b>RefSeq Size:</b>	2410 bp
<b>RefSeq ORF:</b>	1650 bp
<b>Locus ID:</b>	55129
<b>UniProt ID:</b>	<a href="#">Q9NW15</a>
<b>Cytogenetics:</b>	3p22.1-p21.33
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	63.5 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (4) lacks two alternate in-frame exons in the 5' coding region, compared to variant 1. The resulting isoform (4) is shorter, compared to isoform 1.</p>