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Product datasheet for SC329768

TMEM16K (ANO10) (NM_001204834) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: TMEM16K (ANO10) (NM_001204834) Human Untagged Clone

Tag: Tag Free

Symbol: ANO10

Synonyms: SCAR10; TMEM16K

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC329768 representing NM_001204834.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAAAGTGACCTTATCAGCTTTGGATACTTCTGAGAGTTCTTTCACACCTTTGGTGGTCATAGAACTT
GCTCAGGATGTCAAAGAAGAAACCAAAGAATGGCTGAAAAACAGAATTATAGCTAAAAAAAAAGATGGA
GGTGCCCAGTTGTTGTTTAGACCATTGTTAAATAAATATGAACAAGAAACACTAGAAAATCAGAACTTA
TATCTTGTTGGTGCCTCCAAGATTAGAATGTTACTAGGGGCAGAAGCAGTGGGATTGGTAAAAGAGTGC
AATGATAACACCATGAGAGCCTTCACATACAGAACCAGACAGAACTTCAAAGGTTTTGATGATAACAAT
GATGATTTCCTGACAATGGCAGAATGTCAATTCATTATCAAACATGAACTTGAAAATCTTAGAGCTAAA
GATGAAAAAATGATCCCTGGTTACCCTCAGGCAAAGTTGTATCCAGGAAAATCATTGTTGAGAAGATTG
CTCACGTCTGGCATCGTGATTCAGGTGTTTCCACTGCATGACAGTGAAGCCCTGAAGAAGCTTGAGGAC
ACCTGGTACACTCGGTTTGCTTTGAAGTATCAGCCCATAGAGAATCACAGATTGGAATCTGCCTATCAG
AACCATCTAATTCTGAAAGTTTTAGTGTTCAACTTCCTCAATTGCTTTGCCTCACTCTTCTATATTGCC
TTTGTCTTGAAAGATATGAAGCTTTTGCGCCAGAGCTTGGCCACTCTCCTAATTACCTCCCAGATCCTC
AACCAAATTATGGAATCTTTTCTTCCTTATTGGCTCCAAAGGAAGCATGGTGTGCGGGTGAAGAGGAAG
GTGCAGGCTTTAAAGGCAGACATTGATGCTACATTATATGAACAAGTCATCCTGGAAAAAGAAATGGGA
ACTTATTTGGGCACCTTTGATGATTACTTGGAGTTATTCCTGCAGTTTGGTTATGTGAGCCTTTTCTCC
TGTGTTTACCCATTAGCAGCTGCCTTTGCTGTGTTAAATAACTTCACTGAAGTAAATTCAGATGCCTTA
AAAATGTGCAGGGTCTTCAAACGTCCATTCTCAGAACCTTCAGCCAATATTGGTGTGTGGCAGTTGGCT
TTTGAAACGATGAGTGTTATATCTGTGGTCACTAACTGTGCGCTGATTGGAATGTCACCACAAGTGAAT
GCAGTCTTTCCAGAATCAAAAGCAGACCTCATTTTGATTGTAGTAGCAGTGGAGCACGCACTCCTGGCT
TTAAAGTTTATACTTGCATTTGCCATACCTGATAAGCCACGGCATATCCAGATGAAACTAGCCAGACTG
GAATTTGAGTCTTTGGAGGCACTCAAGCAGCAGCAAATGAAGCTCGTGACCGAGAACCTGAAGGAGGAA
CCAATGGAAAGCGGGAAGGAGAAGGCAACCTGA

Restriction Sites: SgfI-MluI

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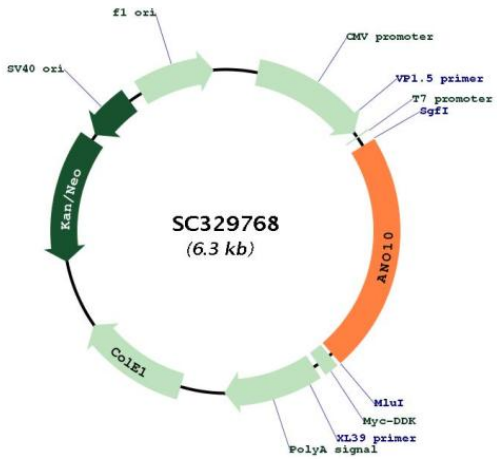
Plasmid Map:



ACCN:	NM_001204834
Insert Size:	1413 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_001204834.1
RefSeq Size:	2173 bp
RefSeq ORF:	1413 bp
Locus ID:	55129
UniProt ID:	Q9NW15

Cytogenetics:	3p22.1-p21.33
Protein Families:	Transmembrane
MW:	53.8 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 (5) lacks an alternate in-frame exon, compared to variant 1. The resulting isoform (5) is shorter, compared to isoform 1.