

Product datasheet for **SC323002**

TMEM129 (NM_001127266) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM129 (NM_001127266) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM129
Synonyms:	D4S2561E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC323002 representing NM_001127266. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCTGCTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGGACAGCCCCGAGGTGACCTTCACTCTCGCCTATCTGGTGTTCCGCCGTGTGCTTCGTGTTACAGCCC
AACGAGTTCACGCGCGGGGCTCACGGTGCAGAACCTGCTGTCGGGCTGGCTGGGCAGCGAGGACGCC
GCCTTCGTGCCCTTCCACTTGCGCCGCACGGCCGCCACGCTGTTGTGCCACTCGCTGCTGCCGCTCGGC
TACTATGTGGGCATGTGCCTTGGGCTTCAGAAAAGCGGCTCCAGCCCTCAGCCAGGCCCTGAGGCC
TGGCGGCTCTTCTGCTGCTGGCGTGACCCTCCCTCCATCGCCTGCATCCTGATCTACTACTGGTCC
CGTGACCGGTGGGCTGCCACCCACTGGCGCGCACCTGGCCCTCTACGCCCTCCACAGTCTGGCTGG
CAGGCTGTTGCCTCCTCTGTCAACACTGAGTTCCGGCGGATTGACAAGTTTGCCACCGGTGCACCAAGT
GCCCCGTGTGATTGTGACAGACACGTGGGTGATGAAGTAACCACTACCGAGTGCACGTGGCCAGCAG
CAGGACGTGCACCTGACTGTGACGGAGTCTCGGCAGCATGAGCTCTCGCCAGACTCGAACTTGCCCGTG
CAGCTCCTACCATCCGTGTGGCCAGCACCAACCTGCTGTGCAGGCCTTTGACATCTGGCTGAAGTCC
ACTGAGTACGGGAGCTCTGCGAGAAGCTCCGGGCACCCATCCGAGGGCAGCCCATGTGGTCAATCCAC
CAGAGCCTGGGCGACCTGTTCTGGAGACATTTGCCTCCCTGGTAGAGGTCAACCCGGCCTACTCAGTG
CCCAGCAGCCAGGAGCTGGAGGCCTGCATAGGCTGCATGCAGACAGTGCAGCGTGAAGCTGGTGAAG
ACCTGCCAGGAGGCAGCCACAGGCGAGTGCCAGCAGTGTACTGCCGCCCATGTGGTGCCTCACCTGC
ATGGGCAAGTGGTTCGCCAGCCGCCAGGACCCCTGCGCCCTGACACCTGGCTGGCCAGCCGCGTGCCC
TGCCCCACCTGCCGCGCACGCTTCTGCATCCTGGATGTGTGACCGTGCGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001127266



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Insert Size:	1089 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).
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:	<u>NM_001127266.1</u>
RefSeq Size:	2858 bp
RefSeq ORF:	1089 bp
Locus ID:	92305
UniProt ID:	<u>A0AVI4</u>
Cytogenetics:	4p16.3
Protein Families:	Transmembrane
MW:	40.5 kDa
Gene Summary:	E3 ubiquitin-protein ligase involved in ER-associated protein degradation, preferentially associates with the E2 enzyme UBE2J2. Exploited by viral US11 proteins to mediate HLA class I proteins degradation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).