

Product datasheet for **SC320267**

TIMM22 (NM_013337) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIMM22 (NM_013337) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIMM22
Synonyms:	COXPD43; TEX4; TIM22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_013337.2
 CGAGGGTTGCTTGGGCAGCGACTGTGTCGCGGCGGCCGCCCAATGCCGGAGGCTCGG
 CCCCTGAGACAGCGGGTTCGCCGAAGCTCCGCTGCAGTACAGCCTGCTCCTGCAGTACC
 TGGTGGGTGACAAGCGTCAGCCCCGGCTCCTGGAGCCTGGGAGCCTGGGCGGGATCCCAA
 GTCCAGCCAAGAGTGAGGAGCAGAAGATGATCGAGAAGGCGATGGAAAGCTGCGCTTCA
 AGGCTGCGCTGGCCTGCGTGGGAGGATTGTCTTAGGAGGTGCATTGGGGTGTTCACCG
 CTGGCATCGATACCAACGTGGGCTTTGACCTAAGGATCCTTACCGTACACCGACTGCAA
 AAGAAGTGCTGAAAGACATGGGGCAGAGAGGAATGTCCTATGCCAAAAATTTCCGCATTG
 TGGGAGCCATGTTTTCTTGTACTGAGTGTGTGATAGAATCTTACCGGGGAACATCAGACT
 GGAAGAACAGTGTGTCAGTGGCTGCATCACGGGAGGAGCTATTGGTTTCAGAGCTGGCT
 TAAAGGCTGGGGCCATTGGTTGTGGAGTTTGTCTGCTTCTCTGCTGCGATTGATTATT
 ACCTCCGGTGAGAGTAATTGCCTGCAGGAAGGATGATGCCAGCCCCGGATCCGGGCTGC
 TCTCTGGAGGACAGTTTCTGTACCACACCAGGCGCTTGTTCAGGGCCTGAAGACATTCA
 TTTTCCCTCATGTCGTTGGTATTCTGAGGGAGCTGCCTGGCTTCTCTGCCTCCAGCCTTT
 GGGGTAGCCACACTTTGTGCTCCTGGACTCCAGCCAGCCTTACAGAGGACGTCCCGTG
 CCAGATTCTCTCAGCAGATCGGGAGACAGGATGTTGACATATAGGAATTCAGCTCCAC
 AAAGCTTCAGGCCTGACCACAGCTGGCCCTCTAGGTTGTTTGGTGTGTGGGCACAGAGG
 TGACAGTGTCTCTGCAGGCACTCAGGAAGCTGTTCTACCTTGAAGTCCATGCAACTATC
 CGTCTCGAATACCAGGGCAGGGCAAGGCGGACTGATGCCGTCCAACCAATTATCTCACTT
 GTTTTGTGTTCTGTATCCTTGTGTTTTTTTTTAAAAATACACTCCCTCCCCACCGCCA
 CACACCTTACAGTTCAAAAGTTGGTTATTTGTATTTTATTTTCAAATTCCTATTCCA
 AAAATAGTGCCGGGTGGCCAAAGATAACATCTGAAGGAAAGAAATGAGAAAGCTCCAG
 GGAAGCGGGGATGGGGCGCTGAGGCAGGTTGTTAGAGGACTGTGTCATCCTCACCAAG
 CTCATTACATCTGCCAGGGCCTGCCTCAAGAAGCCAGCCAGCCTTTTCTGGGATGCA
 GTGAAATCCCATCCATGAACTCGATGGGCCCTCCTGTGCCGGCCGAGAGGCACACACTG
 CCTTCACGACGTGACTGCTGGACCTGGCCGAGCTTGAAGCCACATGTGAAGGGTCTGCT
 GTGGTCATCTTGGTACTCGGTACAGCAGCTACTGGCCAAGATCAGACGTCGCTGAGGG
 GCTGTTCAACCACATCCTCGTTCTCCAGGGTCAAGGAAGTGTTTAACATGTCGTGTTTT
 CGACTTGACCTTGTGGTATTTTTCTTGGCCTAGTTGTGTGCCATGGATATTAACAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_013337

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_013337.2, NP_037469.2</u>
RefSeq Size:	1691 bp
RefSeq ORF:	585 bp
Locus ID:	29928
UniProt ID:	<u>Q9Y584</u>
Cytogenetics:	17p13.3
Domains:	Tim17
Protein Families:	Transmembrane
Gene Summary:	Multipass transmembrane proteins are brought into mitochondria and inserted into the mitochondrial inner membrane by way of the TIM22 complex. This complex has six subunits and is a twin-pore translocase. The protein encoded by this gene is a subunit of TIM22 and represents the voltage-activated and signal-gated channel. [provided by RefSeq, Jul 2016]