

## Product datasheet for **SC315083**

### TMEM132A (NM\_017870) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM132A (NM_017870) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM132A
Synonyms:	GBP; HSPA5BP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315083 representing NM_017870. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGCGCGCGGATGGCCGGTCGCACAACAGCGGCCCTCGGGGGCCCTACGGCCCTGGCTCTGCCTC
CTGGTGGCCCTCGCCCTGGAGCTCGTGAGAGTGGACTGTGGCCAGGCTCCCCTGGACCCTGTCTACCTG
CCGGCAGCCCTGGAGCTCCTAGACGCCCTGAACACTTCCGTGTGCAGCAGGTGGCCACTACCCACCT
GCCAACTCCTCTGAGCTCCCGATCTGAGACCTTTCTGCTCCTACAGCCCTGGCCAGGGCCAGCCA
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CAACGGCCAGTCCCATGGGACGTGCGGGCCGTTTCAGTGAAGCGGCTGTGACTCCAGCAGGCCCTAC
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CTCGAGCAGGTC CGCGGCTGGAGGGTACCTGGCCCTGCTGAAGGGCCTGCGGAACCCGCTGCAGAGGCG  
 TCGGATGAGGCCGAGCGGCGGCCCGTGGCTGCCACCTGCAGTACCAGCGGGCCGGTGTGCGCTTCTC  
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 GAGGAGGAGGAAGAGGAGGAGGAGATGGTCCCTGCCCTCAGCATGTCACTGAGCTAGAGCTGGGCATG  
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 GGCACCACCAGCTCCTCAAGCACCTGGCCGAAAGGAGGCTGGGGGGCGGCGGAAGCGAGTAGAGTTT  
 GTGACATTTGCCAGCCCTCCAGCCAGTCACTGAGGAGCCTGTAGGGGCCCTGCTGTGCAGTCC  
 ATCCTTGTGGCAGCGGAGGAGGACATCCGCTGGTGTGTGAGGACATGGGGCTGAAGGACCCTGAGGAG  
 CTTCCGAACTACATGGAGAGGATCCGGGGCAGCTCTGA  
 ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_017870
- Insert Size:** 3075 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:** [NM\\_017870.2](#)

RefSeq Size: 3520 bp

RefSeq ORF: 3075 bp

Locus ID: 54972

UniProt ID: [Q24JP5](#)

Cytogenetics: 11q12.2

Protein Families: Transmembrane

MW: 110.2 kDa

**Gene Summary:** This gene encodes a protein that is highly similar to the rat Grp78-binding protein (GBP). Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (1) encodes the longer isoform (a).