

Product datasheet for **SC315080**

TMEM132A (NM_178031) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM132A (NM_178031) 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: >NCBI ORF sequence for NM_178031, the custom clone sequence may differ by one or more nucleotides

```

ATGTGCGCGCGGATGGCCGGTGCACAAACAGCGGCCCTCGGGGGCCCTACGGCCCTGG
CTCTGCCTCCTGGTGGCCCTCGCCCTGGACGTCGTGAGAGTGGACTGTGGCCAGGCTCCC
CTGGACCTGTCTACCTGCCGGCAGCCCTGGAGCTCCTAGACGCCCTGAACACTTCCGT
GTGCAGCAGGTGGGCACTACCCACCTGCCAACTCCTCTCTGAGCTCCCGATCTGAGACC
TTTCTGTCTACAGCCCTGGCCAGGGCCAGCCACTTCTCCGGGCTCCTACCCACCT
TTTGCCACTCAGCAGGTGGTCCCCCTCGAGTCACTGAGCCCCACCAACGGCCAGTCCCA
TGGGACGTGCGGGCCGTTTCAGTGAAGCGGCTGTGACTCCAGCAGAGCCCTACGCCCGG
GTTCTCTCCACCTCAAAGGGCAGGATTGGCCACCAGGGTCTGGCAGCCTGCCCTGTGCC
CGGCTCCATGCCACACACCTGCCGGCACTGCTACCAAGCCTGCCGCTTCCAGCCATCC
CTGGGCGCTGCGTGGTGGAGCTGGAGCTTCCCTCGCACTGGTTCTCACAGGCCTCCACC
ACACGGGCGGAGCTGGCCTACACGCTTGAGCCTGCAGCTGAGGGCCCTGGGGGCTGTGGC
TCCGGCGAGGAGAACGACCCTGGGGAGCAGGCCCTCCCAGTGGGGGGTGTGGAGCTGCGC
CCAGCAGACCCCCCGAGTACCAGGAGGTACCTCTGGACGAGGCTGTGACTCTGCGGGTG
CCTGACATGCCAGTGGGCCCCGGCCAGCTCTTTAGTGCTACCCTCCTGCTTCCGACAAAC
TTCACAGCCAGCCTCCTGACCCTGCCGATCAAGGTGAAGAAGGGGCTGCATGTGACAGCC
GCCCGCCAGCCAGCCACACTCTGGACTGCCAAGCTGGACCGCTTCAAGGGCTCCAGG
CACCACACCCTCATCACCTGCCACCGTGGCTCACAGAGCCAGATTCCAGTCCC
CTTGAAGTGTCTGAGTTCCATATGGGTGGACTTTGTGGTGGAGAATAGCACTGGTGGGGG
GTAGCGGTCACTCGCCCCGTACAGTGGCAGCTGGAGTACCAGGCCAGGCCCTGAAGCA
GAGAAGGACAAAAATGGTGTGGGAAATCCTGGTGTCTGAGCGGGACATCAGAGCCCTTATC
CCACTGGCCAAGGCTGAGGAGCTGGTGAATACAGCACCCTGACTGGAGTGCCCCAGCAT
GTCCCCGTGCGCCTTGTCACTGTGGACGGCGGGGGGCTTGGTGGAGGTGACAGAGCAT
GTCGGCTGCGAGTCTGCCAACACACAGGTCTGCAGGTGTCTGAGGCTGTGATGCCGTG
TTCGTGGCTGGCAAGGAGAGCCGGGGCGCCGGGGGGTGGAGTGGACTTCTGGTGGCGC
CGGCTCCGCGCTCGCTGCGGCTGACCGTGTGGGCCCCCTGCTACCGCTGCGTATCGAG

```



[View online »](#)

CTCACCGACACCACCTCGAGCAGGTCCGCGGCTGGAGGGTACCTGGCCCTGCTGAAGGG
 CCTGCGGAACCCGCTGCAGAGGCGTCGGATGAGGCCGAGCGGCGCCCGTGGCTGCCAC
 CTGCAGTACCAGCGGGCCGGTGTGCGCTTCTCGCCCCCTTCGCGGCCACCCGCTGGAC
 GGCGGCCCGCCCTCACGCACCTGCTTGGCCCCGACTGGCTGCTAGACGTGTCCCACCTC
 GTGGGCCACACGCCCGGTGCTGGACTCGCGTGTAGCCTCTCTGGAGGGTGGCCGTGTC
 GTGGTGGGCCGGAGCCCGGTGTACCTCCATTGAGGTGCGTTCCCCACTGTCTGACTCC
 ATCCTGGGGGAGCAGGCGCTGGCTGTGACGGACGACAAGGTCTCAGTGTGGAGCTGAGG
 GTGCAGCCAGTGATGGGCATCTCGCTGACCTTGAGCCGGGGCACTGCCACCCCGGGGAG
 GTCACAGTACGTGCTGGGCACAGTCAGCCCTTCCCGCCCCAAAGCAGGAGGTGGCCCTC
 TCCCTATGGCTGTCTTCTCTGATCACACTGTGGCCCCAGCTGAGCTCTACGACCGCCGT
 GACCTGGGACTGTCCGTCTCAGCCGAGGAGCCTGGTGCCATCCTGCCAGCTGAGGAGCAG
 GGTGCCCAGCTCGGGTGGTGGTGTGAGTGGGGCAGGCGCCGAGGGGCTGCCGCTGCATGTG
 GCTCTGCACCCGCCGAGCCCTGCCGCCGGGGCCGCCACCGTGTGCTCTGGCCTCTGGC
 ACCGCTGGTGGGGTGGCCCTGCCCTCACTCCAGCCCTGCTCTCCATCCAGCCCT
 GCTTGGAGCCACAGCCACAGAAGCCACCATGGGTGGTAAACGGCAGGTGGCAGGCAGT
 GTCGGGGCAACACAGGTGTGAGGGCAAGTTTGAAGCGGCAGAGGAGGAGGCCAGGAAG
 GAGGAGACCGAAGCCAGGAGGAGGAGGAGGAAGAGGAGGAGGAGATGGTCCCTGCCCT
 CAGCATGTCACTGAGCTAGAGCTGGGCATGTACGCCCTGCTGGGAGTCTTCTGCGTGGCC
 ATCTTCATCTTCTTGGTCAATGGTGTGGTCTTCTGCTGCGCTATCAGCGCAAAGAACCT
 CCCGACAGTGCCACTGACCCACCTCCCCCAGCCCCACAACCTGGGTCTGGCTGGGCACT
 GACCAGGAGGAAGTGAAGCCAGCTGGACCGGAGTCCCCTGGCCCGCCAAAGGGGAG
 GGGAGCTGCCCTGTGAGAGTGGGGGAGGAGGGGAGGCCCTACCCTGGCCCTGGCCCT
 CCTGGGGCACCACAGCTCCTCAAGCACCTGGCCCCAAAGGAGGCTGGGGGGCGGCGG
 AAGCGAGTAGAGTTTGTGACATTTGCGCCAGCCCTCCAGCCAGTCACCTGAGGAGCCT
 GTAGGGGCCCTGCTGTGAGTCCATCCTTGTGGCAGGCGAGGAGACATCCGCTGGGTG
 TGTGAGGACATGGGGCTGAAGGACCCTGAGGAGCTTCGCAACTACATGGAGAGGATCCGG
 GGCAGCTCC

Restriction Sites:

Please inquire

ACCN:

NM_178031

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_178031.1, NP_821174.1](#)

RefSeq Size: 3483 bp

RefSeq ORF: 3072 bp

Locus ID: 54972

UniProt ID: [Q24JP5](#)

Cytogenetics: 11q12.2

Protein Families: Transmembrane

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 (2) uses a different in-frame splice site in the coding region, compared to variant 1. The resulting isoform (b) is shorter than isoform a.