

Product datasheet for **SC126320**

TMEM158 (BC057390) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM158 (BC057390) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM158
Synonyms:	BBP; BINP receptor; brain injury-derived neurotrophic peptide (BINP) binding protein; brain specific binding protein; DKFZp586E1621; p40BBP; Ras-induced senescence 1; Ras induced senescence 1; RIS1; transmembrane protein 158
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC057390 edited
 CGGCAGCCCAAGGGCCCCGGCGCCGGGGCGGGGGAACCCCAAACGCAACCGGGTCTG
 GAGGGATCCCCGCGCCGAGCCAGCCGCGCTCACCCTCCGCGCCGCCCTGCGGGTTG
 GCAGGGCGCCGGCGCCCGCACTGCGCCCGGGCGCGGCTCCCGCGGTCCCACCGTGAG
 CTCGCCGGCCCGTCCGCCGCTCGCCATGCAACCGCCGCGGCTCGCGCGGTAGGCGCC
 CGCCGAGGCCATGCTGCCCTGCTCGCCGCGCTCCTGGCCGCGCTGCCGCTGCCG
 CCGTCCGCGGGGGCCGCGACGCGCCGCGCTCCTCGGGTGCCTCCAATGTTTCAG
 TCAACGCGTCTCCGCGGACGAGCCCATCGCCCGCGGCTGCTGGCTCGCGGCCCCCG
 GGCCCCCGAGCGCCCGGCCCGGAGGAGGCGGGCGGGCGCGCGCTGCAACATCA
 GCGTGCAGCGGAGATGCTGAGCTCGTCTGCTGCGCTGGGGCCGCCCGGGGTTCC
 AGTGGACCTACTGCTTCTCCACCAACGCGCACGGCCGCGTTTCTTCGCCCGCGCT
 TCCACCGCTCGGGCCCGCTGCTCATCGAGCACCTGGGGTGGCGGGGGCGGCGCG
 AGCAGGACCTGCGCTCTGCGTGGGCTGCGGCTGGGTGCGCGGTGCGCGACCGCGCC
 TCCGGCCCGCGCCCGCCAGCGCCGCGCGCACCGCGGGGGCGCCACCGCGTGC
 CAGCCTACCCCGGGCCGAGCCCGCGCGCTGTGGTGCAGGGCGAGCGCTGCATT
 TCTGCTGCCTAGACTTCAGCCTGGAGGAGCTGCAGGGCGAGCCGGCTGGCGGTGAAC
 GTAAGCCATTGAGTCCACGCTGGTGGCCTGCTTCATGACCCTGGTTCATCGTGGTGGGA
 GCGTGGCCGCCCTCATCTGGCCGGTGCCTATCATCGCCGCTTCTGCCAACGGCATGG
 AACAGCGCCGACACCAGCCAGCACCGCCAGCCACCCCGCGCTGCCCGCCCGCCG
 CGGCCGTCACTTCGGGGTGGCGACCAAGTGACCCGCTCCGCTCCTCGTGTCCGTTCC
 TGTGTCCGCGCGCGGGTGCCTTCCCGCGGAGACTCGGCCGGTGTGCTTCGTGCTGT
 AGTTATCGTTAGTTCCTTCCCGAGATGGGGCCGCGGAGAGACCCAGCGCCTTTGAAA
 AGCAAGGTTTGTGCTGCGTTCAGTTCGAAAAGCAGATGTTTAAGCCCTTGGAGTGG
 GGTGGATCGCAGCTCCGAAGACGGAGAGGAGGAAATGGGGCCCTTCCCTCTATTGC
 ATCCCCCTGCCGACTCCTTCCCGCACCCACGTGCCCTAGATTATGCGAGAAAATGAC
 CAAATCTGTGATTTGTTTTATATATTTAATAACTGTTTTAAATGAAAGTTTTAGTAAA
 AAAAATACAAAACAAAAGATTAATTTGCTATTGCTGTAGTAAGAGAAGCTCTTTGTATC
 TGAACATAGTTGATTTGAAATTTGTGGTTTTTAATTTATTTAAATTTGGGGGAGGGC
 ATGGGAAGGATTAACACCGATATATTGTTACCGCTGAAAATGAACTTTATGAACCTTT
 CCAAGTTGATCTATCCAGTGACGTGGCCTGGTGGCGTTTTCTTGTACTTATGTGTT
 TTTTGGCTTTTAATACAGACATTTCTCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: NotI-NotI

ACCN: BC057390

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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: [BC057390.1](#), [AAH57390.1](#)

RefSeq Size: 1798 bp

Locus ID: 25907

Cytogenetics: 3p21.31

Protein Families: Druggable Genome

Gene Summary: Constitutive activation of the Ras pathway triggers an irreversible proliferation arrest reminiscent of replicative senescence. Transcription of this gene is upregulated in response to activation of the Ras pathway, but not under other conditions that induce senescence. The encoded protein is similar to a rat cell surface receptor proposed to function in a neuronal survival pathway. An allelic polymorphism in this gene results in both functional and non-functional (frameshifted) alleles; the reference genome represents the functional allele. [provided by RefSeq, Jul 2015]