

Product datasheet for **MR208690**

Tcam1 (NM_029467) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Tcam1
Synonyms:	4930570F09Rik; AI429105
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR208690 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTTCTGTTGGGTGTCTGGACACTGCTGGCCTTGATCCCTTGTCAGGGGCCGCCGAGGAGCTGTTTC
 AGGTATCTGTCCATCCAAATGAGGCCCTGGTAGAGTTTGACACTCCCTAACTGTCAACTGCAGTACCAC
 CTGCCAGACCCCTGGGCCAGTGGAATCGAGACCTTCTTAAAGAAAACCCAGCTAAGCAAAGGGTCCAG
 TGGAAGGAGTTTCTCTGGAGGACATCACAGAGACTTGGTGTGCACTGCTTCTTCTTGTGCAGGGG
 AGCAGAAGGACACCGTGTCTGCTATCACCATGTACCAGCCACCAGAGCAGGTGATACTGGACCTGCAGCC
 TGAATGGGTGGCCGTGGATGAAGCCTTCACAGTCACGTGTATGTACCTAGTGTGGCACCCCTGCAGAGC
 CTCACCTTACCCTCCTCCAGGGTGACCAAGAACTGCACAGAAAAGACTTCTAAGTTTATCTTTGGTAT
 CCCAAAGAGCCGAGGTACCGCCACTGTACAGAGCCACCAGGACAATGACAGGCGTAATTTCTCCTGCCG
 AGCAGAAGTGGATCTGAGCCACATGGTGGGGGTTGTTTCACGGCAGCTCAGCCACCAAGCAACTCCGG
 ATCTTTGAATTCTCTCAGAATCCCGATCTGGGTGCCTTCACTCCTGGAGGTTGGGAAGGCAGAGATTG
 TGAGCTGTGAGGTGACCAGAGTATTTCCAGCCCAGGAAGCTGTCTTCCGAATGTTCTGGAAGACCAGGA
 GCTGAGCCCTTCTCGTCTGGAGGGAAGATGCAGCGTGGGCCAGTGCCACCATTAGGCCATGGAGACT
 GGTGACCAGGAAGTGAATGCTTGTGTCTCTGGTCCCGTGGAGCAGAAAACAAGGAAACAGTTTATG
 TCTACAGTTTCCCTCCACCAATCCTGGAGATAGAAGATGCTTACCCTCTGGCAGGGACGGACGTTAATGT
 GACCTGCTCAGGTACGTGTTAACATCACCTAGCCCTACTCTTGGCTTCAGGGATCCCTAAACCACTCT
 GCCCCTGGGAAGCCTGCTGGCTTCTGTTTACTGCCAGGGAGGAAGATGATGGCCGGACTCTGTCTGCG
 AGGCCCTCTTTGAGGTACAGGCCAGCGACTGGTCAGGACCACAGAGGCCAGCTTCATGTCTTATACAA
 GCCAAGGTTTCAGGAATCCCGCTGCCCTGGCAACCAGATATGGGTAGAAGGGATGCATCAGATGCTTGCC
 TGCATCCCAGAGGGAATCCAACTCCGGTTTTGGTGTGTGTCTGGAATGGGATGATCTTTGACCTTGATG
 TACCTCAGAAGGCCACCAGAACACACGGGGACCTACTGTGCACAGCCACCAACCACTAGGCTCCGT
 CAGCAAAGACATCACTATCATTGTCCAAGCCCTGCCTGAGGGCATCAGCTCCTCCACCATCTTCATTATC
 ATCATTTTCCCTGGGATGGCTGTGATCACTGTAGCATTATACCTGAACCTACAGCCCTGCAAGGAA
 ACAGTAGGAAACGGATGCACAGGCCGCGGAGCAAGCAAGGGCGAGGAGTCACTCTCTGACATTTCG
 GCGGAGGAATGCCACGCGCATCTCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR208690 protein sequence
 Red=Cloning site Green=Tags(s)

MLLLGVWTLALLIPCPGAAEELFQVSVHPNEALVEFGHSLTVNCSTTCPDPGPSGIETFLKKTQLSKGSQ
 WKEFLLEDITDLVLQCFSCAGEQKDTVLAITMYQPPEQVILDLPQEWVAVDEAFTVTCHVPSVAPLQS
 LTLTLLQGDQELHRKDFLSLSVSQRAEVTATVRAHRDNDNRNFSRAELDLSPHGGGLFHGSSATKQLR
 IFEFSONPQIWVPSLLEVGKAEIVSCEVTRVFPQAEAVFRMFLEDQELSPFSSWREDAAWASATIQAMET
 GDQELTCLVSLGPVEQKTRKPVYVYFPPPILEIEDAYPLAGTDVNVTCSGHVLTSPTSRLRLQGSNLHS
 APGKPAWLLFTAREEDGRTLSCASLEVQGQRLVRTTESQLHVLKPRFQESRCPGNQIWEVGMHQLA
 CIPEGNPTPVLVCVWNGMIFDLDPQKATQNHGTGYCCTATNPLGSVSKDITIIIVQGLPEGISSSTIFII
 IIFTLGMAVITVALYLNYPCKGNSRKRMRHPRREQSKGEESQFSDIRAECHALC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_029467

ORF Size: 1638 bp

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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_029467.3, NP_083743.2

RefSeq Size: 2985 bp

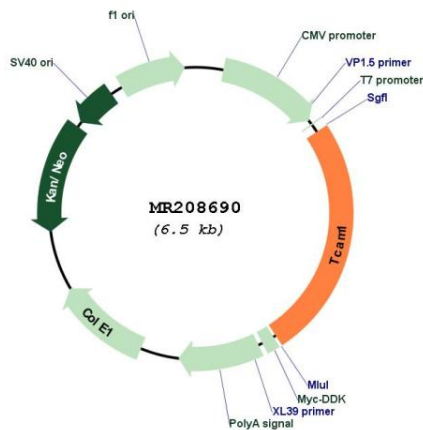
RefSeq ORF: 1647 bp

Locus ID: 75870

Cytogenetics: 11 68.89 cM

MW: 60.5 kDa

Product images:



Circular map for MR208690