

Product datasheet for **MG227685**

Tab3 (NM_025729) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tab3 (NM_025729) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tab3
Synonyms:	4921526G09Rik; Map3k7ip3; mKIAA4135
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG227685 representing NM_025729
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCAAACAGTCCACAGCTTGATATTCAGGTTCTCCATGATCTTCGACAACGTTTTCTGAAATTC
 CAGAGGGTGTGGTATCCCAGTGCATGTTACAGAATAACAACAATCTAGAAGCCTGTTGTCGAGCCCTTTC
 CCAGGAGAGCAGCAAATACTTGTATATGGAATACCATAGTCCAGAAGACAATAGAATGAATAGAAATCGC
 CTTTTGCATATTAATTTGGGTATTCATTCTCCTAGTAGCTACCACCCAGGAGATGGAGCTCACCTTAATG
 GTGGTCGGACACTGGTACATAGCTCAAGTGATGGACATATTGATCCTCAGCATACAGCAGGCAAACAGCT
 GATATGTTTAGTTCAGGAACCACACTCAGCTCCAGCTGTTGTGGTGCTACTCCCAACTATAATCCGTTT
 TTTATGAATGAGCAGAACAGAAGTGCAGCTACCCCGCTTCACAGCCACCTCAGCAGCCATCTCCATGC
 AAACAGGAATGAATCCATCTGCTATGCAAGTCTTACCACCACCACCCTCCGTCTACATGCACAT
 ACCTCGGTATAGTACAAATCCAATTACTGTTACAGTGTCCAAAACCTTCTTCTGGACAGACTGTGCCA
 AGAGCTTTACAGATTCTCCACAAATCCAAGCAATCTCTATGGATCTCCTGGGTCTATTTTTATTAGAC
 AGACATCTCAGAGTTCATCAGGAAGACAGACTCCTCAGAATGCTCCATGGCAGTCCCTACCACAAGGCC
 AGTGCCTCATTACAGCCAGCTCCTTACTGTTTATCCACATCAACAGAATCAACCTTCTCAGTAT
 TCTCCAAACAACAGCAGATTCTCAGTCAGTTTACCATTACCACCTCCTTCTCAGTGTCTTCCCCT
 TTAGCTCTCCACAGCATCAAGTACAACCCACCCAGCTGGGTACCCAAAGCTCTCATGTGTTTATGCCACC
 CAGTCTTCAACTACTCCACCCACCTATATCAACAAGGACCTCCTAGTTATCAGAAACCAGGAAGTCAT
 TCGGTAGCCTATCTCCCTTACACAGCATCTAGCTTACCCAAAGGTTCCATGAAGAAGATAGAAATTACAG
 TTGAACCTTCTCAAAGACTGGGACAGCAATAACTAGAAGTCCGTCACCTATCAGTAATCAACCATCTCC
 AAGGAACCCAGCATTCACTGTACACAGCCACCACCCACCTTCAAGTTCCTTCAAGAGGGATCTCTAGT
 CAACCAAAACCTCCATTTAGTGTTAATCCTGTGTATATTACGTATACACAGCCAACCTGGACCTTCATGTG
 CTCATCACCATCTCCTCGGGTGATACCAATCCAACCTACAGTTTTTAAAATTACTGTAGGCCGAGCAAC
 AACTGAAAACCTTTTAAATTTAGTGGACCAAGAAGAACGCTCTGCAGCACCAGAACCTATTCAGCCATT
 TCAGTGATACCAGGCTCTGGGGGAGAAAAGGAAACCACAAGTATCAAAGGAGCTCTAGTTCTGGATCAG
 ATGACTATGCCTATACCCAAGCCTTGCTGTTACATCAGCGAGCAAGAATGGAGAGTTAGCAAAGCAATT
 GAAACTTGAAAAAGAGGAGCTAGAGCGGTTGAAAGCTGAAGTTAACAGTATGGAGCATGACCTGATGCAG
 AGACGGCTTAGAAGAGTCAGCTGCACCACTGCAATTCACCGCTGAGGAAATGACAAGATTGAGAAGCA
 CGAACAGACAACCTCCAGATAAATGTTGACTGTACTGAAAGAAGTTGACCTCCTCAATCTAGAGGAAA
 CTTTGATCCAAAAGCCATCAATAATTTTTATGACCACATAGAACCTGGCCAGTTGTACCACCGAAGCCA
 TCTAAAAAAGACTCCTCAGACTCCTGTGCAATTGAGAGAAAAGCCGAAGAATTAGTGTGACTTCCAAAG
 CGCCAGTAGATATCCATGACGCCAGGCAGCAGCTGCAGATGAACATTTAAGTATCTGCAACAGAGTGC
 TCGACACAACCCCGAGATGAGGATTATGAAGGGGCTCCGTGGAATTGTGACAGCTGTACCTTTCTCAAC
 CACCCTGCACTGAATCGCTGTGAGCAGTGTGAGATGCCACGGTACACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG227685 representing NM_025729
 Red=Cloning site Green=Tags(s)

MAQNSPQLDIQVLHDLRQRFPEIPEGVVSQCMLQNNNNLEACCRALSQESSKYL YMEYHSPEDNRMNRN
 LLHINLGIHSPSSYHPGDGAHLNGGRTL VHSSSDGHIDPQHTAGKQLICLVQEPHSAPAVVAATPNYNPF
 FMNEQNRSAATPPSQPPQPSSMQTGMNPSAMQGPSPPPPPSYMHIPRYSTNPITVTVSQNLPSGQTVP
 RALQILPQIPSNLYGSPGSIFIRQTSQSSSGRQTPQNAPWQSSPQGPVPHYSQRPLPVYPHQQNYQPSQY
 SPKQQQIPQSVYHSPSSQCPSPFSSPQHQQVQPPQLGHPSSHVMPPSPSTTPPHLYQQGPPSYQKPGSH
 SVAYLPTYASSLPGKSMKKIEITVEPSQRPGTAITRSPSPISNQPSRNQHSLYTATTPSSSPSRGISS
 QPKPPFSVNPVYITYTQPTGSPSCAPSPSPRVIPNPTTVFKITVGRATTENLLNLVDQEERSAAPEIQPI
 SVIPGSGGEGKNHKYQRSSSSGDDYAYTQALLHQARMERLAKQLKLEKEELERLKAEVNSMEHDLMQ
 RRLRRVSCTTAIPTEEMTRLRSTNRQLQINVDCITLKEVDLLQSRGNFDPKAINNFYDHIEPGVVPKPK
 SKKDSSDSCAIERKARRISVTSKAPVDIHDAQAAADEHLSICKQSARTQPRDEYEGAPWNCDSCTFLN
 HPALNRCEQCEMPRYT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025729

ORF Size: 2148 bp

OTI Disclaimer: 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.

RefSeq: [NM_025729.4](#), [NP_080005.2](#)

RefSeq Size: 6381 bp

RefSeq ORF: 2151 bp

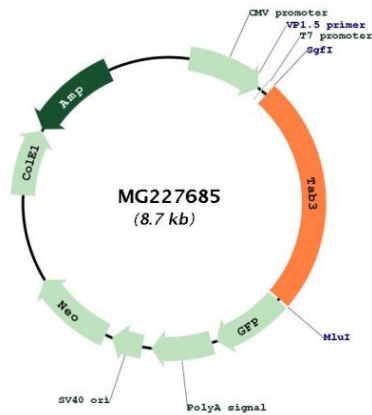
Locus ID: 66724

UniProt ID: [Q571K4](#)

Cytogenetics: X C1

Gene Summary: Adapter linking MAP3K7/TAK1 and TRAF6 or TRAF2. Mediator of MAP3K7 activation, respectively in the IL-1 and TNF signaling pathways. Plays a role in activation of NF-kappa-B and AP1 transcription factor (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG227685