

## Product datasheet for **MR227685**

### Tab3 (NM\_025729) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tab3 (NM_025729) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tab3
Synonyms:	4921526G09Rik; Map3k7ip3; mKIAA4135
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>MR227685 representing NM\_025729  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGGCGCAAACAGTCCACAGCTTGATATTCAGGTTCTCCATGATCTTCGACAACGTTTTCTGAAATTC  
CAGAGGGTGTGGTATCCCAGTGCATGTTACAGAATAACAACAATCTAGAAGCCTGTTGTCGAGCCCTTTC  
CCAGGAGAGCAGCAAATACTTGTATATGGAATACCATAGTCCAGAAGACAATAGAATGAATAGAAATCGC  
CTTTTGCATATTAATTTGGGTATTCATTCTCCTAGTAGCTACCACCCAGGAGATGGAGCTCACCTTAATG  
GTGGTCGGACACTGGTACATAGCTCAAGTGATGGACATATTGATCCTCAGCATACAGCAGGCAAACAGCT  
GATATGTTTAGTTCAGGAACCACACTCAGCTCCAGCTGTTGTGGTGCTACTCCCAACTATAATCCGTTT  
TTTATGAATGAGCAGAACAGAAGTGCAGCTACCCCGCTTCACAGCCACCTCAGCAGCCATCTCCATGC  
AAACAGGAATGAATCCATCTGCTATGCAAGTCTTACCACCACCACCCTCCGTCTACATGCACAT  
ACCTCGGTATAGTACAAATCCAATTACTGTTACAGTGTCCAAAACCTTCTTCTGGACAGACTGTGCCA  
AGAGCTTTACAGATTCTCCACAAATCCAAGCAATCTCTATGGATCTCCTGGGTCTATTTTTATTAGAC  
AGACATCTCAGAGTTCATCAGGAAGACAGACTCCTCAGAATGCTCCATGGCAGTCCCTACCACAAGGCC  
AGTGCCTCATTACAGCCAGCTCCTTACTGTTTATCCACATCAACAGAACTATCAACCTTCTCAGTAT  
TCTCCAAACAACAGCAGATTCTCAGTCAGTTTACCATTACCACCTCCTTCTCAGTGTCTTCCCCT  
TTAGCTCTCCACAGCATCAAGTACAACCACCCAGCTGGGTACCCAAAGCTCTCATGTGTTTATGCCACC  
CAGTCTTCAACTACTCCACCCACCTATATCAACAAGGACCTCCTAGTTATCAGAAACCAGGAAGTCAT  
TCGGTAGCCTATCTCCCTTACACAGCATCTAGCTTACCCAAAGGTTCCATGAAGAAGATAGAAATTACAG  
TTGAACCTTCTCAAAGACCTGGGACAGCAATAACTAGAAGTCCGTCACCTATCAGTAATCAACCATCTCC  
AAGGAACACAGCATTCACTGTACACAGCCACCACACCTTCAAGTTCCTTCAAGAGGGATCTCTAGT  
CAACCAAAACCTCCATTTAGTGTTAATCCTGTGTATATTACGTATACACAGCCAACCTGGACCTTCATGTG  
CTCCATCACCATCTCCTCGGGTGATACCAATCCAACACAGTTTTTAAAATTACTGTAGGCCGAGCAAC  
AACTGAAAACCTTTTAAATTTAGTGGACCAAGAAGAACGCTCTGCAGCACCAGAACCTATTCAGCCATT  
TCAGTGATACCAGGCTCTGGGGGAGAAAAGGAAACCACAAGTATCAAAGGAGCTCTAGTTCTGGATCAG  
ATGACTATGCCTATACCCAAGCCTTGCTGTTACATCAGCGAGCAAGAATGGAGAGTTAGCAAAGCAATT  
GAAACTTGAAAAAGAGGAGCTAGAGCGGTTGAAAGCTGAAGTTAACAGTATGGAGCATGACCTGATGCAG  
AGACGGCTTAGAAGAGTCAGCTGCACCACTGCAATTCACCGCTGAGGAAATGACAAGATTGAGAAGCA  
CGAACAGACAACCTCCAGATAAATGTTGACTGTACTGAAAGAAGTTGACCTCCTCAATCTAGAGGAAA  
CTTTGATCCAAAAGCCATCAATAATTTTTATGACCACATAGAACCTGGCCAGTTGTACCACCGAAGCCA  
TCTAAAAAGACTCCTCAGACTCCTGTGCAATTGAGAGAAAAGCCGAAGAATTAGTGTGACTTCCAAAAG  
CGCCAGTAGATATCCATGACGCCAGGCAGCAGCTGCAGATGAACATTTAAGTATCTGCAACAGAGTGC  
TCGGACACAACCCCGAGATGAGGATTATGAAGGGGCTCCGTGGAATTGTGACAGCTGTACCTTTCTCAAC  
CACCTGCACTGAATCGCTGTGAGCAGTGTGAGATGCCACGGTACACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR227685 representing NM\_025729  
 Red=Cloning site Green=Tags(s)

MAQNSPQLDIQVLHDLRQRFPEIPEGVVSQCMLQNNNNLEACCRALSQESSKYL YMEYHSPEDNRMNRNR  
 LLHINLGIHSPSSYHPGDGAHLNGGRTL VHSSSDGHIDPQHTAGKQLICLVQEPHSAPAVVAATPNYNPF  
 FMNEQNRSAATPPSQPPQPSSMQTGMNPSAMQGPSPPPPPSYMHIPRYSTNPITVTVSQNLPSGQTVP  
 RALQILPQIPSNLYGSPGSIFIRQTSQSSSGRQTPQNAPWQSSPQGPVPHYSQRPLPVYPHQNYQPSQY  
 SPKQQQIPQSVYHSPSSQCPSPFSSPQHQQVPPQLGHPSSHVMPPSPSTTPPHLYQQGPPSYQKPGSH  
 SVAYLPTYASSLPKGSMMKIEITVEPSQRPGTAITRSPSPISNQSPRNQHSLYTATTPSSSPSRGISS  
 QPKPPFSVNPVYITYTQPTGSPCAPSPSPRVIPNPTTVFKITVGRATTENLLNLVDQEERSAAPEPIQPI  
 SVIPGSGGEGKNHKYQRSSSSGDDYAYTQALLHQARMERLAKQLKLEKEELERLKAEVNSMEHDLMQ  
 RRLRRVSCCTTAIPTPEEMTRLRSTNRQLQINVDCITLKEVDLLQSRGNFDPKAINNFYDHIEPGVVPKPK  
 SKKDSSDSCAIERKARRISVTSKAPVDIHDAQAAADEHLSICKQSARTQPRDEYEGAPWNCDSCTFLN  
 HPALNRCEQCEMPRYT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9039\\_h05.zip](https://cdn.origene.com/chromatograms/mm9039_h05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_025729

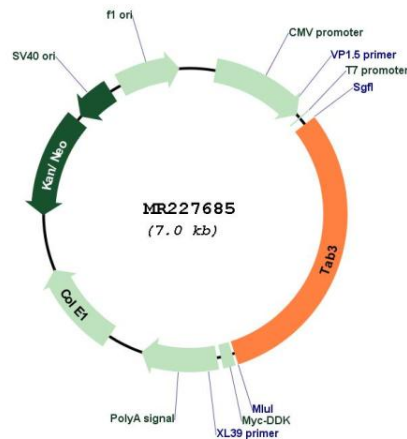
**ORF Size:** 2148 bp

**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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_025729.4</a> , <a href="#">NP_080005.2</a>
<b>RefSeq Size:</b>	6381 bp
<b>RefSeq ORF:</b>	2151 bp
<b>Locus ID:</b>	66724
<b>UniProt ID:</b>	<a href="#">Q571K4</a>
<b>Cytogenetics:</b>	X C1
<b>MW:</b>	79.5 kDa
<b>Gene Summary:</b>	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 MR227685