

Product datasheet for **RN210174**

Tab2 (NM_001012062) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tab2 (NM_001012062) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tab2
Synonyms:	Map3k7ip2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210174 representing NM_001012062
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCCAAGGAAGCCACCAATTGATTTTCAGGTTTTACATGACCTGCGACAAAAGTCCCTGAAGTGC
 CTGAAGTTGTTGTATCCAGGTGCATGTTACAGAACAATAAACCTGGATGCCTGCTGTGCTGTTCTCTC
 TCAGGAGAGTACAAGGTATCTTTACGGTGAAGGAGACCTGAATTTTTAGATGAGTCTGGAATTTCTGGT
 CTACGCAATCACATGACTTCTCTCAACTTGGACTTGCAGTACAGAAATGTTTACCACCATGGAAGAGAAG
 GAAGTCGAGTGAACGGAAGTAGGACTTTAACACACAGTGTAGCGATGGACAGCTTCAAGGTGGCAGTC
 CAATAACGAACTGTTTCAGCAGGAGCCACAAACAGCACCAGCTCAAGTTCCTCAAGGCTTTAATGTTTTT
 GGAATGCCAGTACATCTGGTCTTCTAATTCAACACCACATCTGGATTTACCTAGGCAGCAAAGGGA
 CATCAAACCTCTCTCAACAAACTCCAGGTTTAACTCTATTATGGTAACTTTAGCCCAAACATACAGAC
 TGGCCGAAGCACCCTACGTCTTTGCACATACATGGTGTGCCTCCACCTGTACTCAACAGCCACAGGGG
 AATTCTATCTACATTAGGCCTTACATCACAACTCCTAGTGGTGCAGCTCGACAGACACAGCAGCATTCTG
 GCTGGGTATCTCAGTTTAACTCCCGTGAACCCCTCAGCAAGCCTATCAGCCTTACAGCCTGGACCTTGGAC
 TACTTATCCTGCATCCAATCCTTTGCCACATACCTCAACCCAGCAGCCGAATCAGCAGGGCCATCAGACC
 TCTCATGTCTACATGCCTATCAGTTCGCCAACTACTCCACAACCGCCAACAGTTCCTGCTGTGCTAGCT
 CTCAGTCTTCTGCCATAGCCAAATAACATTCAGAATATTTCAACAGGACCTCGAAAAACCAGATAGA
 AATCAAACCTGAACCCCAAAAGAAACAGTCTTCAAATTACGTTCTTCTGGACCTCGAACTGCCAGC
 ACTTCTCATTGGTCAACAGCCAGACCTTAAATAGAAATCAGCCCACTGTTTACATAGCTGCCAGTCCTC
 CAAGCAGTATGAGATGATCTCCCGTAGTCAACCCAAGTCTACATCTCAGCCAATGCCAGCACAGGAGA
 TGAGCAGGGCATGCGGAATCAGCCTACACTCTTCATATCCACGAACTCTGGGGCCTCTGCAGCCTCCAGG
 AACATGTCTGGGCAAGTGAAGTGGTCTGCCTTTATCCACCACCACCCTCCAAAAAGCCGGGTGTTAG
 GTGGCAACTCCGACGCTCCCCTCGAGTGGTGGTACGCGAGCCCAACACAAAGTACACCTTCAAATCAC
 AGTTTCTCCCAATAAGCCCTGCGCTCTCCCGGGGTTGTCTCCCCACCTTTGAACTTACAAATCTT
 CTGAATCACCTGACCATTATGTAGAAACAGACTATTCAGCACCTCACAGACCCTACTCTAGCACAGC
 TGGATAGAGTAAGCGAAGCACGAACTGAGTATGGGATCTGATGATGCTGCCTACACACAAGCTCTGCT
 GGTGCACCAGAAGCCAGGATGGAACGGCTTCAAAGAGAGCTCGAGATGCAGAAGAAAAAGCTGGACAAA
 CTCAAATCTGAGGTCAATGAGATGGAAAACAGTCTAACCGAAGGCGCCTGAAGAGTCCAACCTCATGT
 CCCAGATACCTTCACTCGAAGAAATGCAGCAGTTGAGAAGTTGTAATAGCAAACTCCAGATTGACATTGA
 CTGCTTAAACAAAGAAATTGATCTTTTTCAAGCCGAGGTAAGTTTCAGTGCATTCTCAG**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001012062
- Insert Size:** 1884 bp
- 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).
- 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:	<ol style="list-style-type: none">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:	<u>NM_001012062.1</u> , <u>NP_001012062.1</u>
RefSeq Size:	4617 bp
RefSeq ORF:	1884 bp
Locus ID:	308267
UniProt ID:	<u>Q5U303</u>
Cytogenetics:	1p13
Gene Summary:	Adapter linking MAP3K7/TAK1 and TRAF6. Promotes MAP3K7 activation in the IL1 signaling pathway. The binding of 'Lys-63'-linked polyubiquitin chains to TAB2 promotes autophosphorylation of MAP3K7 at 'Thr-187'. Regulates the IL1-mediated translocation of NCOR1 out of the nucleus (By similarity). Involved in heart development (By similarity). [UniProtKB/Swiss-Prot Function]