

Product datasheet for **MC221708**

Trpc4ap (NM_001163452) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trpc4ap (NM_001163452) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trpc4ap
Synonyms:	4833429F06Rik; D2Erttd113e; mFLJ00177; Trrp4ap; truss
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221708 representing NM_001163452
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGCAGCGCCCGCAGCGGCTGGAGCTGGGGCCAGCCGGGGAGCGGTTGGCAGCTACCGCGCGG
 CGTGGGGCGGCTGGGAGGTGCACCGCGCCGGTAACATCCTGCTGCAGCTGCGCAGGGCCAGCTCAC
 CGGCCGAGGCTGGTCCGGGCGGTGCAGTTCAGTACACTGAGACCTTTTTGACCGAGAGGGACAAATTTGCCAAA
 TGGAGTGAATTCCTCAGTTGCTCCTTAAGCTGTATGCCACCAGCCATCTGCACAGTGACTTCGTTGAGT
 GCCAAAGCATTCTCAAGGAGATTCTCCTCTTCTCTATGGAGGCTATGGCGTTTGTAACTGAAGACAG
 GAAATTTACTCAAGAAGCTACATACCCAAATACATATTTTTGACTATTTGGAGGTGTTGATCTTCTT
 GTAGAAATTTATGAGGCTACCATCTCTATCCGGGGACAGAACTAAAAATAAGTGACGAGATGTCGA
 AGGACTGCTTGAGCATCCTGTACAATACCTGTGTCTGCACGGAAGGAGTAACGAAGCGTTTGGCAGAAAA
 GAATGATTTTGTGATTTTCTGTTCACACTGATGACAAGTAAGAAGACATTCTTACAACAGCGACTCTC
 ATTGAAGACATTTTGGGTGTTAAGAAGGAAATGATCCGGCTAGATGAAGTCCCAATCTGAGTTCCTTAG
 TATCCAATTTGATCAGCAGCAGCTTGCTAACTTCTGCAGGATCCTGGCTGTCACCAATTCAGAGATGGA
 CACGGGAATGACGACAAACACACGCTTCTTGCCAAAAATGCTCAGCAGAAGAAGAGTTTGGAGTTGGGG
 CCTTCTGCAGTGAAATCAACCAAGCTGCTTCTCAGCATCCCTGGCTTGTGGAACGGCTTGGCAAAAC
 TGGCAACTAGGAAAGTGTGAGAGTCAACGGGCACAGCCAGCTTCTTCAAGAAGTGGAGGAGTGGTACAC
 ATGGCTCGACAATGCGTTGGTGTAGATGCCCTGATGCGAGTGGCAATGAGGAGTCTGAACACAATCAA
 GCCCCACTGTGTTCCCTTCTTAGGCACTTCGAGGAGGGTGGGCTGCCACACACCTCGGCCAGGGCGC
 AGTCCCCCAGTCCATGAAGATTATGCATGAGATTATGTACAAACTGGAAGTGCTTTATGTCCTCTGCGT
 GCTGCTGATGGGGCGTACGCGAAACCAGGTCCACAGGATGATTGCTGAGTTCAAGTTGATCCAGGACTC
 AATAATTTGTTCCGACAACTGATTTGGAGGAAGCATTGAGCATCTGCCCTTGTCTCCATGGCCACAACC
 AGAACTGTGACTGTAGCCCGGACATCACCTTGAAGATCCAGTTTTTGGAGCTTCTCCAGAGTTTCACTGA
 CCACCATGAGAACAAGTACTTGTGCTCAACAACCAGGAGCTAAATGAGCTCAGTGCCATCTCGTGAAA
 GCCAACATCCCTGAGGTGGAGGCTGTCTCAACACTGACAGGAGTCTGGTGTGTGACGGCAAGAGGGGCC
 TACTAACTCGGCTGCTGCAGGTCATGAAGAAGGAGCCAGCGGAGTCTTCAATTCAGGTTTTGGCAAGCCCG
 GGCTGTGGAAGTTTCTCCGAGGGACCACCTCCTATGCAGACCAGATGTTCTGCTGAAGCGAGGCCTT
 CTGGAGCACATCTATACTGCATTGTGGACAGTGAAGTCAAGTCTAGGGATGACTCCAGAGCTACTTTG
 ATCTCCTGGGAGAGCTGATGAAGTTCAACGTGATGCATTCAAGAGATCAATAAATATATCAACACTGA
 TGCAAAGTTCCAGGTGTTCTGAAACAGATCAACAGCTCGCTAGTGGACTCCAACATGCTGGTGGCCTGT
 GTCACCTGTCACTGGACCGATTTGAAAACCAGGTGGACATGAAAGTGGCCGAGGTCTGTCCGAGTGCC
 GCCTGCTTGCCTACATATCCAGGTGCCACGCAATGTCCTTCTTCCGCTCATCAATATCATCCA
 TGTGCAGACGCTAACCCAGGAGAAGCTCAGTGCCTCAACACCAGCCTGGTAATCCTGATGCTGGCCGA
 CGGAAAGAGCGGCTGCCCTGTACCTGCGACTGCTACAGCGAATGGAGCACAGCAAGAAATACCCCGCT
 TCCTGCTCAACAACCTCCACAACCTGCTGCGCTTTTGGCAGCAGCACTACCTGCACAAGGATAAGGACAG
 CACCTGCCTGGAGAATAGCTCCTGTATCAGCTTCTCGTACTGGAAGGAGACAGTGTCCATCTTGTGAAC
 CCAGACCCAGTCGCCCTCGTCCAGCTACATTGAGGAGCCCTACATGGACATAGACAGAGACT
 TCACTGAGGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001163452
Insert Size: 2394 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:	NM_001163452.1 , NP_001156924.1
RefSeq Size:	3219 bp
RefSeq ORF:	2394 bp
Locus ID:	56407
UniProt ID:	Q9JLV2
Cytogenetics:	2 77.26 cM
Gene Summary:	<p>Substrate-specific adapter of a DCX (DDB1-CUL4-X-box) E3 ubiquitin-protein ligase complex required for cell cycle control. The DCX(TRUSS) complex specifically mediates the polyubiquitination and subsequent degradation of MYC (By similarity). Also participates in the activation of NFKB1 in response to ligation of TNFRSF1A, possibly by linking TNFRSF1A to the IKK signalosome. Involved in JNK activation via its interaction with TRAF2. Also involved in elevation of endoplasmic reticulum Ca(2+) storage reduction in response to CHRM1.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>