

Product datasheet for **MR230437**

Tjap1 (NM_001252473) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tjap1 (NM_001252473) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tjap1
Synonyms:	0610041D19Rik; AI415281; AW121008; Pilt; Tjp4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230437 representing NM_001252473
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCAGTGCTGCCCTGCTAAGAAACCTTACCGTAAGGCGCCTCCAGAGCACCAGAGCTACGCCTGG
 AGATTCGCGTGTCCCGCTCGAGCAAGAGGAGTCCCTGACTGACGCAGAGCGGATGAAACTTTTGCAGCA
 GGAGAATGAAGAACTTCGCAAACGCCTGGCCTCAGCTACCAGACGCACTGAGGCCTTGGAGCGGGAGCTG
 GAAATAGGACAAGACTGCCTAGAAGTGGAGTTAGGACAGAGCCGTGAGGAGCTGGACAAGTTAAGGACA
 AATTCGCGAGGCTACAGAACAGCTACACGGCATCCAGCGGACCAACCAGGAACTGGAGGACAAGCTGCA
 CGCACTGATCAAGAAGGCTGAGATGGACAGGAAGACGCTGGACTGGGAGATAGTGGAGCTGACCAACAAG
 CTACTGGATGCCAGAACACCATCAATAAACTGGAAGAGCTCAATGAGCGGTACCGGCTGGACTGCAACC
 TGGCGGTGCAGCTTCTCAAGTGAACAAGTCCCACTTCCGGAACCACAAGCTTGTGACCTACCCCTGTGA
 GCTCCAGGACATGGTTTCGAAACATCTGCGCAGTGGGCGAGGAGTTGCCAGCCCCAGCCCCAGCCCTTCT
 TCAGCCCTGTCCCAGGGGCTGTGGTGCCTACCTCAGTCAATTGCCCGGTTGGAGAACTGAGTCTC
 TCTTGCTCAATTCAGCTCAGTCTGGCAGTGTGGGCGCCCTTGGCTGAGGATGTATTCTGTCATGTGGA
 CATGAGTGGGGTACCCAGCCAGCCCCCTGCCCGGGCAGCCCAATGGGGAGTGTGCTCAGTGAGT
 ACTGCAGGGGCTCCCAGGAGGAGCTGCCCTGCCAGCCTTCGACAAGTTGAGTCCCTACCTACCC
 CGTCTCCACCACCCATTATACCTGGTAGGAAGGTGATAGAATTCTCTGAGGACAAGTCCGAATTCC
 TCGGAACAGCCCCCTCCCAACTGTACCTATGCCACCCGCGAGCCATCTCCTTGAGCCTGGTGGAGGAC
 GGCAGTGAGCGGTCCCACCGCAGCTCAGTGCCTAGCAGTCTGCCTCTGCCAAGGGTCGCCCATCACC
 AGCCTAGTCCAGCTCCCTCAGCACTGAGTGCCTCAGCTAGTTCGCGCCAGCTCGGAGGAGGACTGTGGC
 CAGCTGGCAGCGTGCATTTGTGGACCGCACCCCGCCCGGCTGCCGTGGTCCAGCGCACGGCCTTTGGA
 CGAGACTCACTGCCGAGCTACAGTTGCATTTCTCCCCTGGCACTCCACAGCCCCACCGCCTTCCCAGC
 ACCGTGAGCGGGACTTGTGCTGCCAGCAGAACCTGACTCTGGCTTTCCTCAAGACGAGGAAGAGGAAAT
 GCTGAACCTGCCTGTGAGCCCCGAGGAAGAGCGTCAGAGCCTGCTGCCTGATAAAGAGGGCACCGAGGAG
 GCCTCAGGCCCTTCTCATGTTGATGGCAGGGCCTGGCCTCTCCCCAGTCCCAGCCGCCCCAGCGCAGCC
 CCAAGAGAATGGGAGTACACCATCTCCACCGCAAGGACAGCTGACGCAGGCGCAGGAGCAGGGCACTGT
 GCTCAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230437 representing NM_001252473
 Red=Cloning site Green=Tags(s)

MSSAAPAKKPYRKAPPEHRELRLIIPVSRLEQEEESLTD AERMKLLQENEELRKRLASATRRTEALEREL
 EIQDCLLELELQGSREELDKFKDKFRRLQNSYASQRTNQLEDKHLALIKKAEMDRKTLDWEIVELTNK
 LLDARNTINKLEELNERYRLDCNLAVQLLCKNKSHFRNHKLADLPCELQDMVRKHLRSGQEIVASPSPS
 SSLSPGAVVPTSVIARVLEKPELLLLNSAQSGSAGRPLAEDVFVHVDMSGGDPASPPAPGSPNGECCSVS
 TAGGSPEEELPLPAFDKLSPYPTSPPHPLYPGRKVIEFSEDKIRIPRNSPLPNCYATRQAIISLVED
 GSERSHRSSVPSASQAQSPHHQPSAPALSAPASSASSEEDLLASWQRAFVDRTPPPAAVVQRTAFG
 RDSLPELQLHFSPGHSTAPPPSPHRERGLVLP AEPDSGFPQDEEEMLNLPVSPEEERQSLLPDKEGTEE
 ASGPSHVDGRAWPLPSPSRPQRSKRMGVHHLHRKDSL TQAQEQGTVLS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001252473

ORF Size: 1617 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_001252473.1](#), [NP_001239402.1](#)

RefSeq Size: 2465 bp

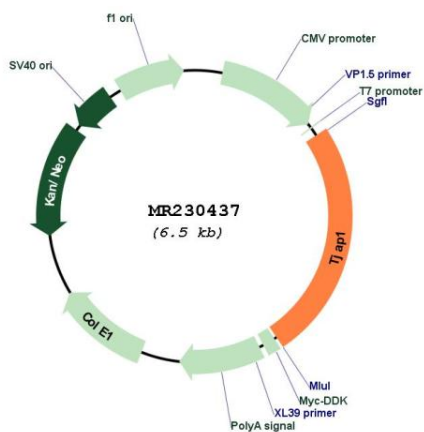
RefSeq ORF: 1620 bp

Locus ID: 74094

UniProt ID: [Q9DCD5](#)

Cytogenetics: 17 C
 MW: 59.4 kDa
 Gene Summary: Plays a role in regulating the structure of the Golgi apparatus.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230437