

Product datasheet for **MR230439**

Tjap1 (NM_001252475) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tjap1 (NM_001252475) 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:

>MR230439 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCAGTGCTGCCCTGCTAAGAAACCTTACCCTAAGGCGCCTCCAGAGCACCAGAGCTACGCCTGG
 AGATTCGCGTGTCCCGGCTCGAGCAAGAGGAGTCCCTGACTGACGCAGAGCGGATGAAACTTTTGCAGCA
 GGAGAATGAAGAACTTCGCAAACGCCTGGCCTCAGCTACCAGACGCACTGAGGCCTTGGAGCGGGAGCTG
 GAAATAGGACAAGACTGCCTAGAAGTGGAGTTAGGACAGAGCCGTGAGGAGCTGGACAAGTTAAGGACA
 AATTCGCGAGGCTACAGAACAGCTACACGGCATCCAGCGGACCAACCAGGAACTGGAGGACAAGCTGCA
 CGCACTGATCAAGAAGGCTGAGATGGACAGGAAGACGCTGGACTGGGAGATTGTGGAGCTGACCAACAAG
 CTACTGGATGCCAGAACACCATCAATAAACTGGAAGAGCTCAATGAGCGGTACCGGCTGGACTGCAACC
 TGGCGGTGCAGCTTCTCAAGTGAACAAGTCCCACTTCCGGAACCACAAGCTTGTGACCTACCCCTGTGA
 GCTCCAGGACATGGTTCGAAAACATCTGCGCAGTGGGCGAGGAGTTGCCAGCCCCAGCCCCAGCCCTTCT
 TCCAGCCTGTCCCAGGGGCTGTGGTGCCTACCTCAGTCAATTGCCCGGTGTTGGAGAACTGAGTCTC
 TCTTGCTCAATTCAGCTCAGTCTGGCAGTCTGGGCGCCCTTGGCTGAGGATGTATTCTGTCATGTGGA
 CATGAGTGGGGGTGACCCAGCCAGCCCCCTGCCCGGGCAGCCCCAATGGGGAGTGTGCTCAGTGAGT
 ACTGCAGGGGGCTCCCAGGAGGAGGAGTGCCTGCCAGCCTTCGACAAGTTGAGTCCCTACCTACCC
 CGTCTCCACCACACCCATTATACCTGGTAGGAAGGTGATAGAATTCTCTGAGGACAAGATCCGAATTCC
 TCGGAACAGCCCCCTCCCAACTGTACCTATGCCACCCGGCAGGCCATCTCCTTGAGCCTGGTGGAGGAC
 GGCAGTGAGCGGGCCACCGCAGCTCAGTGCCTAGCAGTCTGCCTCTGCCAAGGGTCGCCCATCACC
 AGCCTAGTCCAGTCCCTCAGCACTGAGTGCCTCAGCTAGTTCGGCCAGCTCGGAGGAGGACCTGTGGC
 CAGCTGGCAGCGTGCATTTGTGGACCGCACCCCGCCCTGCTGCCGTGGTCCAGCGCACGGCCTTTGGA
 CGAGACTCACTGCCGAGCTACAATTGCATTTCTCCCGGGCCACTCCACAGCCCCACCGCCTTCCCGGC
 ACCGTGAGCGGGGACTTGTGCTGCCAGCAGAACCTGACTCTGGCTTTCCTCAAGACGAGGAAGAGGAAAT
 GCTGAACCTGCCTGTGAGCCCCGAGGAAGAGCGTCAGAGCCTGCTGCCTGATAAAGAGGGCACCGAGGAG
 GCCTCTGGCCCTTCTCATGTTGATGGCAGGGCCTGGCCTCTCCCCAGTCCCAGCCGCCCCAGCGCAGCC
 CCAAGAGAATGGGAGTACACCATCTCCACCGCAAGGACAGCCTGACGCAGGCACAGGAGCAGGGCACTGT
 GCTCAGC

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230439 protein sequence
 Red=Cloning site Green=Tags(s)

MSSAAPAKKPYRKAPPEHRELRLLEIPVSRLEQEEESLTD AERMKLLQENEELRKRLASATRRTEALEREL
 EIQDCLLELELQGSREELDKFKDKFRRLQNSYASQRTNQLEDKHLALIKKAEMDRKTLDWEIVELTNK
 LLDARNTINKLEELNERYRLDCNLAVQLLCKNKSFRNHLADLPCELQDMVRKHLRSGQEVAASPSPPS
 SSLSPGAVVPTSVIARVLEKPELLLLNSAQSGSAGRPLAEDVFVHVDMSSGGDPASPPAPGSPNGECCSVS
 TAGGSPEEELPLPAFDKLSPYPTSPPHPLYGRKVIIEFSEDKIRIPRNSPLPNCYATRQAIISLVED
 GSERAHRSSVPSASQAQSPHHQPSAPALSAPASSASSEEDLLASWQRAFVDRTPPPAAVVQRTAFG
 RDSLPELQLHFSPGHSTAPPPSPHRERGLVLP AEPDSGFPQDEEEEMNLNLPVSPEEERQSLLPDKEGTEE
 ASGPSHVDGRAWPLPSPSRPQRSKRMGVHHLHRKDSL TQAQEQGTVLS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001252475

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_001252475.1](#), [NP_001239404.1](#)

RefSeq Size: 2368 bp

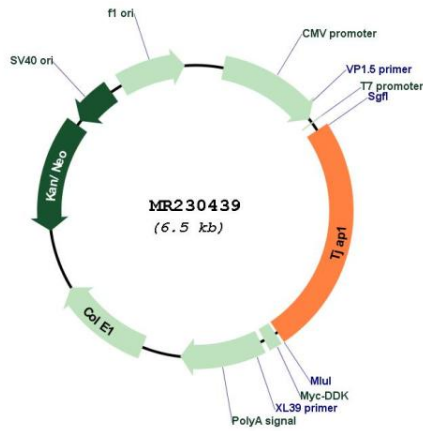
RefSeq ORF: 1620 bp

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 MR230439