

Product datasheet for **MG208619**

Tjap1 (NM_028751) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tjap1 (NM_028751) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tjap1
Synonyms:	0610041D19Rik; AI415281; AW121008; Pilt; Tjp4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208619 representing NM_028751
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCAGTGCTGCCCTGCTAAGAAACCTTACCGTAAGGCGCCTCCAGAGCACCAGAGCTACGCCTGG
 AGATTCCTCGTGTCCCGGCTCGAGCAAGAGGAGTCCCTGACTGACGCAGAGCGGATGAAACTTTTGCAGCA
 GGAGAATGAAGAAGCTTCGCAAACGCCTGGCCTCAGCTACCAGACGCACTGAGGCCTTGGAGCGGGAGCTG
 GAAATAGGACAAGACTGCCTAGAAGTGGAGTTAGGACAGAGCCGTGAGGAGCTGGACAAGTTAAGGACA
 AATTCGCGAGGCTACAGAACAGCTACACGGCATCCAGCGGACCAACCAGGAACTGGAGGACAAGCTGCA
 CGCACTGATCAAGAAGGCTGAGATGGACAGGAAGACGCTGGACTGGGAGATAGTGGAGCTGACCAACAAG
 CTACTGGATGCCAGAACACCATCAATAAACTGGAAGAGCTCAATGAGCGGTACCGGCTGGACTGCAACC
 TGGCGGTGCAGCTTCTCAAGTGAACAAGTCCCACTTCCGGAACCACAAGCTTGTGACCTACCTGTGA
 GCTCCAGGACATGGTTTCGAAACATCTGCGCAGTGGGCGAGGTTGCCAGCCCCAGCCCCAGCCCTTCT
 TCCAGCCTGTCCCAGGGGCTGTGGTGCCTACCTCAGTCAATTGCCCGGTTGGAGAACTGAGTCTC
 TCTTGCTCAATTCAGCTCAGTCTGGCAGTGTGGGCGCCCTTGGCTGAGGATGTATTCTGTCATGTGGA
 CATGAGTGGGGTGAACCCAGCCAGCCCCCTGCCCGGGCAGCCCAATGGGGAGTGTGCTCAGTGAGT
 ACTGCAGGGGCTCCCAGGAGGAGCTGCCCTGCCAGCCTTCGACAAGTTGAGTCCCTACCTACCC
 CGTCTCCACCACCCATTATACCTGGTAGGAAGGTGATAGAATTCTCTGAGGACAAGATCCGAATTCC
 TCGGAACAGCCCCCTCCCAACTGTACCTATGCCACCCGCGAGCCATCTCCTGAGCCTGGTGGAGGAC
 GGCAGTGAGCGGTCCCACCGCAGCTCAGTGCCTAGCAGTCTGCCTCTGCCAAGGGTCGCCCATCACC
 AGCCTAGTCCAGCTCCCTCAGCACTGAGTGCCTCAGCTAGTTCGGCCAGCTCGGAGGAGGACTGTGGC
 CAGCTGGCAGCGTGCATTTGTGGACCGCACCCCGCCCGGCTGCGGTGGTCCAGCGCACGGCCTTTGGA
 CGAGACTCACTGCCGAGCTACAGTTGCATTTCTCCCCTGGCACTCCACAGCCCCACCGCCTTCCC
 ACCGTGAGCGGGACTTGTGCTGCCAGCAGAACCTGACTCTGGCTTCTCAAGACGAGGAAGAGGAAAT
 GCTGAACCTGCCTGTGAGCCCCGAGGAAGAGCGTCAAGCCTGCTGCCTGATAAAGAGGGACCGGAGGAG
 GCCTCAGGCCCTTCTCATGTTGATGGCAGGGCCTGGCCTCTCCCCAGTCCCAGCCGCCCCAGCGCAGCC
 CCAAGAGAATGGGAGTACACCATCTCCACCGCAAGGACAGCTGACGCAGGCGCAGGAGCAGGGCACTGT
 GCTCAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208619 representing NM_028751
 Red=Cloning site Green=Tags(s)

MSSAAPAKKPYRKAPPEHRELRLLEIPVSRLEQEEESLTD AERMKLLQENEELRKRLASATRRTEALEREL
 EIQDCLLELELQGSREELDKFKDKFRRLQNSYASQRTNQELEDKHLALIKKAEMDRKTLDWEIVELTNK
 LLDARNTINKLEELNERYRLDCNLAVQLLKNKSHFRNHKLADLPCELQDMVRKHLRSGQEVASPSPPS
 SSLSPGAVVPTSVIARVLEKPELLLLNSAQSGSAGRPLAEDVFVHVDMSGGDPASPPAPGSPNGECCSVS
 TAGGSPEEELPLPAFDKLSPYPTSPPHPLYPGRKVIIEFSEDKIRIPRNSPLPNCYATRQAIISLVED
 GSERSHRSSVPSSPASAQGSPPHQSPAPSALSAPASSASSEEDLLASWQRAFVDRTPPPAAVVQRTAFG
 RDSLPELQLHFSFGHSTAPPPSPHRERGLVLP AEPDSGFPQDEEEEMNLNLPVSPEEERQSLLPDKEGTEE
 ASGPSHYDGRAWPLPSPSRPQRSKRMGVHHLHRKDSL TQAQEQGTVLS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_028751
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:	<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_028751.2 , NP_083027.1
RefSeq Size:	2557 bp
RefSeq ORF:	1620 bp
Locus ID:	74094
UniProt ID:	Q9DCD5
Cytogenetics:	17 C
Gene Summary:	Plays a role in regulating the structure of the Golgi apparatus.[UniProtKB/Swiss-Prot Function]