

Product datasheet for **MG207351**

Tchp (NM_029992) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tchp (NM_029992) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tchp
Synonyms:	A930031F18Rik; AV279199
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207351 representing NM_029992
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCTCCCCACGTTGCCCTTTATTGGTCCAGCCGAAACACATGGATCTTCGCCAGCGCCAGCATC
 AGCAGGAGGACCAGTTTCGCCAGCAGTGGGAACAGAACAGTCGCTATTTTCAGGACCTGGGACATCCACAA
 CTCGAAACAGATCGAATGGAGCTCCAAGATCTCTACCAGCGGAGCATGCACGCCTACCATTGTGAGAAAG
 ATGAAGGAGGAGAAGAGGAAGATTCTGGAGCTCCGGCGGGAGAGGCTCAGAGAGCTTCTCTGGAGGAAC
 AGGACTTGTGGCTGCGGAGCTGGATGAGCTCAGGCTGAGCATGGGCTGCGGGAGCAAAGGCTCCGCGA
 GCAGCACCAGGACCTGAAGTCAGCCCGAGAAGAACAGAGGAAGCTGATTGCTGAACGACTTTTATATGAA
 CACTGGAAGAAGAACAACCCAACTTCGAGAGCTTGAGTTGGACCTTACAAGAAGCACGTGATAAATT
 CTTGGGCAACACAGAAAGAAGAAAAAAGCAAGCAAGAAGCCACAGAGAAGCAGGAGAACAAGCGGTTGGA
 GAACAGTACGCAGCAGCCCGCCGGGAAGCCGAGGCGAGGATGAGAGTCGAGGAGGAGAGGAGGCAGCTA
 GAGGGGCGCTGCAGGCCGAGGCGCTGCCAGCAGATGGAGGAGCTGAAGCAGAAGGAGATGGAGGCAA
 CCAAACTGAAGAAGGAACAGGAGAACCTGCTGAGGCAGCGCTGGGAGCTGGAAAGGCTGGAGGAGGAAAG
 GAGGCAGATGGCCGCCCTCCGGCGCAAGACAGAGCTGGGGCGCTTCTTGAACATCAGTACAACGCGCAG
 CTCAACAGGCGCACCCAGGAGATCCAGGAGGAGCTGGAGGTAGATGGGCGGATCTGCAGGCCCTCTGG
 AGAAGGAAGGCGAGTTGCAGCAGGTGGAAGTGGCCAGGCGGGAGCAAGCCCGGGCCGATGCGGCCTGGAT
 GAAGCAGGTATCGAGGAGCAACTGCAGCTGGAGAAGCACGGGAGGCAGAGCTGCAGCAGCTGCTGAGG
 GAGGAGCCAAGGAGATGTGGGAGAAGAGAGAGGCCGAGTGGGCCGAGAGCAGGTGCGCGGGACAGAC
 TGATGAGTGAGGTTCTGACCCGGGAGGCAGCAGCATCTGGAGAAGATTGAACAGAACCCGGCGGCACA
 GGAGGAGACCCTCAAACACAGGGAGAACTCATCAGGAGTCTCGAGGAGGGGAAGCAGTTAGCTCAGCGA
 GCCAAGGAGGAGAGTGAAGAGCTGAAGTTGGCCAGGAAGCAGGAGCTGGAAGCCAGGTGGGCCCCAAGG
 GCAAGGGCGCCCTCGCAGGACACTACAGAACAGAGCTCGGCCGAGGTCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207351 representing NM_029992
 Red=Cloning site Green=Tags(s)

MALPTLPSYWSSRKHMDLRQRQHQQEDQFRQQWEQNSRYFRTWDIHNSKQIEWSSKISYQRSMHAYHCEK
 MKEEKRKILELRERLRELLLEEQDLLAAELDELRLSMGLREQRLREQHDLKSAREEQRKLIAERLLYE
 HWKKNPKLRELELDLHKHVINSWATQKEKKQEQATEKQENKLENQYAAARREAEARMRVEEERRQL
 EGRLQAEALRQQMEELKQKEMEATKLLKEQENLLRQRWELERLEEERRQMAALRRKTELGRFLKHQYNAQ
 LNRRTQEIQEELEVDGRILQALLEKEGELQQVELARREQARADAAMKQVIEEQQLQLEKAREAEQQLLR
 EEAKEMWEKREAEWAREQVARDRLMSEVLTGRQQQILEKIEQNRRAQEETLKHREKLIRSLEEGKQLAQR
 AKEESEELKLARKQELEAQVGPKGKGLAGHYRTELGRGP

TRTRPLE - GFP Tag - V

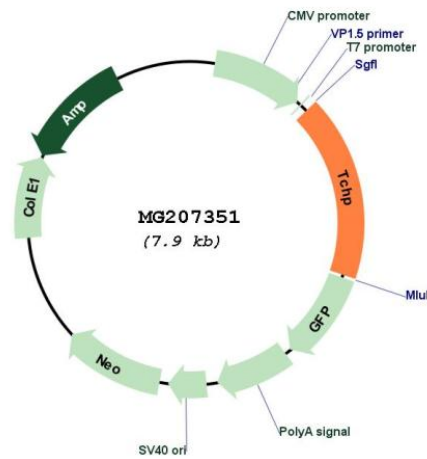
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_029992

ORF Size: 1380 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:	<u>NM_029992.1</u> , <u>NP_084268.1</u>
RefSeq Size:	3151 bp
RefSeq ORF:	1494 bp
Locus ID:	77832
UniProt ID:	<u>Q3TVW5</u>
Cytogenetics:	5 F
Gene Summary:	Tumor suppressor which has the ability to inhibit cell growth and be pro-apoptotic during cell stress. May act as a 'capping' or 'branching' protein for keratin filaments in the cell periphery. May regulate K8/K18 filament and desmosome organization mainly at the apical or peripheral regions of simple epithelial cells (By similarity). Is a negative regulator of ciliogenesis (By similarity).[UniProtKB/Swiss-Prot Function]