

Product datasheet for **MG205381**

Tpte2 (BC016580) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tpte2 (BC016580) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tpte2
Synonyms:	CRLM2; Ly114; Tpte2; Tslpr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205381 representing BC016580 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCTTCTGGAACGCGCTGACGTCACGGGCTGCTCCCCTGATCCCCGCCCTGCCCCGAGGTGATG
TCACAGTCGTCTGCCATGACCTGGAGACGGTGGAGGTCACGTGGGGCTCGGGCCCCGACCACCACAGCGC
CAACTTGAGCCTGGAGTCCGTTATGGTACTGGCGCCCGCAACCCTGCCCGGATATTTCTGTCCGGC
GCTGGTGTCACTCCGGGTGCATCCTCCCCGCGCGAGGGCGGGGCTGCTGGAGCTGGCACTGCGCGACG
GAGGCGGGGCCATGGTGTAAAGGCTAGGCAGCGCGCTCCGCTGGCTGAAGCCCCGCCACCTTGAA
TGTGACGCTGCTCTGGACACCAGACGGGACGTGACTGTCTCCTGGCCTGCCACTCCTACCTGGGCCTG
GACTACGAGGTGCAGCACCGGGAGAGCAATGACGATGAGGACGCCTGGCAGACGACCTCAGGGCCCTGCT
GTGACTTGACAGTGGGCGGGCTCGACCCCGCGCTGCTATGACTTCCGGGTTCCGGGCGTCCGCCGGGC
CGCGCACTATGGCCTGGAGGCGCAGCCTAGCGAGTGGACAGCGGTGACAAGGCTTTCCGGGGCAGCATCC
GCGGCTCCTGTACCGCAAGCCCCGCCCATCCCCGGCCTGGCCCCGCCCTCCTGCCCTGGGCTGCG
GCCTAGCAGCGTGTGACACTGTCCTGCTCCTGGCCGCCCTGAGGCTTCGCAGGTGAAAGATGCGCT
GCTGCCCTGCGTCCCTGACCCAGCGGCTCCTCCCTGGACTCTTTGAGAAGCATACGGGAATCCAG
GCCTGGATTGCGGACGCCAGGCCACAGCCCCGCCAGCCAGGACCGAGGAGGAAGATGACCTCATCCACC
CCAAGGCTAAGAGGGTGGAGCCCGAGGATGGCACCTCCCTCTGCACCGTCCAAGGCCACCCAGCTTCCA
GCCAAGGGGGCCGGGAGGCGGGCCATGGTGTCACTGGGCGGGCCACGTTTCATGGTGGGCGACAGCGGC
TACATGACCCTG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG205381 representing BC016580
Red=Cloning site Green=Tags(s)

MALLERADVTGCSPPRPAPAGDVTVVCHDLETVEVTWGSPPDHHSANLSLEFRYGTGALQPCPRYFLSG
 AGVTSGCILPAARAGLLELALRDGGGAMVFKARQRASAWLKPRPPWNVTLWTPDGDVTVSWPAHSYGLL
 DYEYQHRESNDDAWQTTSGPCCDLTVGGLDPARCYDFRVRASPRAAHYGLEAQPSEWAVTRLGAAS
 AASCTASPAPSPALAPLLPLGCGLAALLTL SLLLAALRLRRVKDALLPCVPDPSGSPGLFEKHHGNFQ
 AWIADAQATAPPARTEEDDLIHPKAKRVEPEDGTSLCTVPRPPSFEPGPGGGAMVSVGGATFMVGDGSG
 YMTL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC016580

ORF Size: 1062 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: [BC016580.1](#)

RefSeq Size: 1425 bp

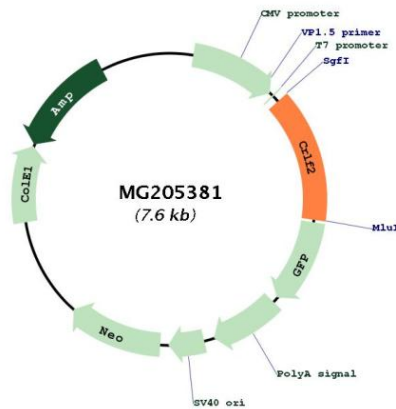
RefSeq ORF: 1064 bp

Locus ID: 57914

Cytogenetics: 5 F

Gene Summary: Receptor for thymic stromal lymphopoietin (TSLP). Forms a functional complex with TSLP and IL7R which is capable of stimulating cell proliferation through activation of STAT3 and STAT5. Also activates JAK2. Implicated in the development of the hematopoietic system. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205381