

## Product datasheet for MR205381

### Tpte2 (BC016580) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tpte2 (BC016580) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tpte2
Synonyms:	CRLM2; Ly114; Tpte2; Tslpr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205381 representing BC016580 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCTTCTGGAACGCGCTGACGTACGGGCTGCTCCCCTGATCCCCGCCCTGCCCCGAGGTGATG  
TCACAGTCGTCTGCCATGACCTGGAGACGGTGGAGGTACGTGGGGCTCGGGCCCCGACCACCACAGCGC  
CAACTTGAGCCTGGAGTCCGTTATGGTACTGGCGCCCGCAACCCTGCCCGGATATTTCTGTCCGGC  
GCTGGTGTCACTCCGGGTGCATCCTCCCCGCGGAGGGCGGGGCTGCTGGAGTGGCACTGCGCGACG  
GAGGCGGGGCCATGGTGTAAAGGCTAGGCAGCGCGCTCCGCTGGCTGAAGCCCCGCCACCTTGAA  
TGTGACGCTGCTCTGGACACCAGACGGGACGTGACTGTCTCCTGGCCTGCCACTCCTACCTGGGCCTG  
GACTACGAGGTGCAGCACCGGGAGAGCAATGACGATGAGGACGCCTGGCAGACGACCTCAGGGCCCTGCT  
GTGACTTGACAGTGGGCGGGCTCGACCCCGCGCTGCTATGACTTCCGGGTTCCGGGCGTCCGCCGGGC  
CGCGCACTATGGCCTGGAGGCGCAGCCTAGCGAGTGGACAGCGGTGACAAGGCTTTCCGGGGCAGCATCC  
GCGGCTCCTGTACCGCAAGCCCCGCCCATCCCCGGCCTGGCCCCGCCCTCCTGCCCTGGGCTGCG  
GCCTAGCAGCGTGTGACACTGTCCCTGCTCCTGGCCGCCCTGAGGCTTCGCAGGTGAAAGATGCGCT  
GCTGCCCTGCGTCCCTGACCCAGCGGCTCCTCCCTGGACTCTTTGAGAAGCATACGGGAACCTCCAG  
CCAAGGCTAAGAGGGTGGAGCCCGAGGATGGCACCTCCCTCTGCACCGTCCAAGGCCACCCAGCTTCGA  
GCCAAGGGGGCCGGGAGGCGGGCCATGGTGTCACTGGGCGGGCCACGTTTCATGGTGGGCGACAGCGGC  
TACATGACCCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR205381 representing BC016580  
Red=Cloning site Green=Tags(s)

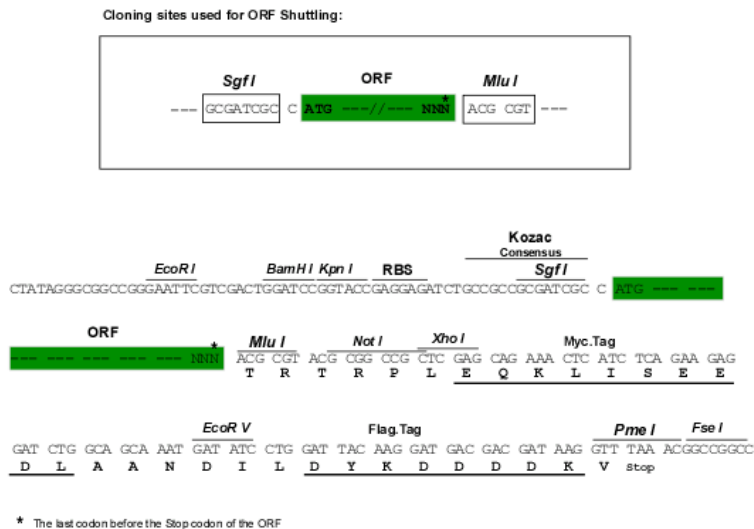
MALLERADVTGCSPPRPAPAGDVTVVCHDLETVEVTWGSPPDHHSANLSLEFRYGTGALQPCPRYFLSG  
 AGVTSGCILPAARAGLLELALRDGGAMVFKARQASAWLKPRPPWNVTLLWTPDGDVTVSWPAHSYGLL  
 DYEYQHRESNDDAWQTTSGPCCDLTVGGLDPARCYDFRVRASPRAAHYGLEAQPSEWTAVTRLGAAS  
 AASCTASPAPSPALAPLLPLGCGLAALLTL SLLLAALRLRRVKDALLPCVPDPSGSPGLFEKHHGNFQ  
 AWIADAQATAPPARTEEDDLIHPKAKRVEPEDGTSLCTVPRPPSFEPGPGGGAMVSVGGATFMVGDGSG  
 YMTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKVK

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9005\\_e05.zip](https://cdn.origene.com/chromatograms/mm9005_e05.zip)

**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

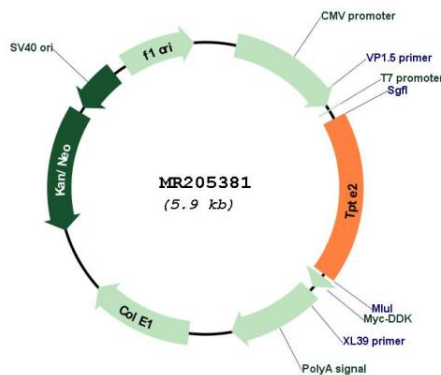
**Locus ID:** 57914

**Cytogenetics:** 5 F

**MW:** 52.3 kDa

**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 MR205381