

## Product datasheet for **MR227278**

### Tnfrsf13b (NM\_021349) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tnfrsf13b (NM_021349) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tnfrsf13b
Synonyms:	1200009E08Rik; Taci
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227278 representing NM_021349 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTATGGCATTCTGCCCAAAGATCAGTACTGGGACTCCTCAAGGAAATCCTGTGTCTCCTGTGCAC  
TGACCTGCAGCCAGAGGAGCCAGCGCACCTGTACAGACTTCTGCAAATTCATCAATTGCCGAAAAGAGCA  
AGGCAGGTACTACGACCATCTCTGGGGCCTGCGTCAGCTGTGACTCCACCTGCACACAGCACCCCTCAG  
CAGTGTGCCCACTTCTGTGAGAAAAGGCCAGAAGCCAGGCGAACCTCCAGCCCGAGCTCGGGAGACCAC  
AGGCCGGGAGGTGGAAGTCAGGTCAGACAACCTCAGGAAGGCACCAGGGATCTGAGCATGGTCCAGGATT  
GAGGCTAAGTAGCGACCAGCTGACTCTCTACTGCACACTGGGGTCTGCCTCTGCCCATCTTCTGCTGT  
TTCTTGGTGGCCTTGGCCTCCTTCTCAGGCGTAGAGGAGAGCCACTACCCAGCCAGCCTGCCGGGCCAC  
GTGGGTACAAGCAAACCTCTCCCCACGCCACCGCCCGTGACAGAGGCTTGCAGCAGAGGTGACCGCGTC  
ACCCAGCCTGTGGAAACGTGTAGCTTCTGCTTCCCGAGCGCAGTTCTCCCACTCAGGAGAGCGCGCCG  
CGTTCGCTCGGGATACACGGCTTCGCGGGCACTGCCGCCCGCAGCCCTGTATGCGTGCAACAGTAGGCG  
GCCTGGGTGTCTGCGCGCATCCACTGGGACGCTCGTCCGGCAACT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR227278 representing NM\_021349  
Red=Cloning site Green=Tags(s)

MAMAFCPKDQYWDSSRKSCVSCALTCQSQRSTCTDFCKFINCRKEQGRYYDHLLGACVSCDSTCTQHPQ  
 QCAHFCEKRPRSQANLQPELGRPQAGEVEVRSDNSGRHQGEHGPGLRLSSDQLTLYCTLGVCLCAIFCC  
 FLVALASFLRRRGEPLPSQPAGPRGSQANSPHAHRPVTEACDEVTASPQPVETCSFCFPERSPTQESAP  
 RSLGIHGFAAGTAAAPQPCMRATVGGGLGVLRASTGDARPAT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9024\\_d10.zip](https://cdn.origene.com/chromatograms/mm9024_d10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_021349

**ORF Size:** 747 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\\_021349.3](#)

**RefSeq Size:** 750 bp

**RefSeq ORF:** 750 bp

**Locus ID:** 57916

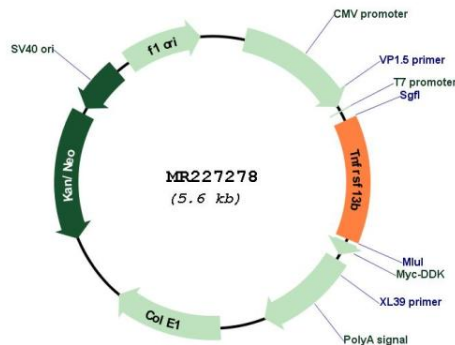
**UniProt ID:** [Q9ET35](#)

**Cytogenetics:** 11 B2

**MW:** 27.4 kDa

**Gene Summary:** Receptor for TNFSF13/APRIL and TNFSF13B/TALL1/BAFF/BLYS that binds both ligands with similar high affinity. Mediates calcineurin-dependent activation of NF-AT, as well as activation of NF-kappa-B and AP-1. Involved in the stimulation of B- and T-cell function and the regulation of humoral immunity (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR227278