

## Product datasheet for **MR225393**

### Tnfsf13b (NM\_033622) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tnfsf13b (NM_033622) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tnfsf13b
Synonyms:	BAFF; BlyS; D8ErtD387e; TALL-1; TALL1; THANK; TNFSF20; Tnlg7a; zTNF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225393 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGAGTCTGCAAAGACCCTGCCACCACCGTGCCTCTGTTTTGCTCCGAGAAAGGAGAAGATATGA  
AAGTGGGATATGATCCCATCACTCCGAGAAGGAGGAGGGTGCCTGGTTGGGATCTGCAGGGATGGAAG  
GCTGCTGGCTGTACCCTCCTGTGGCCCTGTTGTCCAGCAGTTTCACAGCGATGCCTTGTACCAGTTG  
GCTGCCTTGCAAGCAGACCTGATGAACCTGCGCATGGAGCTGCAGAGCTACCGAGGTTTCAGCAACACCAG  
CCGCCCGGGTGTCCAGAGTTGACCGCTGGAGTCAAACCTCTGACACCGGCAGCTCCTCGACCCACAA  
CTCCAGCCCGGCCACAGGAACAGACGCGCTTCCAGGGACCAGAGGAAACAGAACAAGATGTAGACCTC  
TCAGCTCCTCCTGCACCATGCCTGCCTGGATGCCGCCATTCTCAACATGATGATAATGGAATGAACCTCA  
GAAACATCATTCAAGACTGTCTGCAGCTGATTGCAGACAGCGACACGCCGACTATACGAAAAGGAACTTA  
CACATTTGTTCCATGGCTTCTCAGCTTTAAAAGAGGAAATGCCTTGGAGGAGAAAGAGAACAAAATAGTG  
GTGAGGCAAACAGGCTATTTCTCATCTACAGCCAGGTTCTATACACGGACCCCATCTTTGCTATGGGTC  
ATGTCATCCAGAGGAAGAAAGTACACGTCTTTGGGGACGAGCTGAGCCTGGTACCCTGTTCCGATGAT  
TCAGAATATGCCAAAACACTGCCAAACAATTCCTGCTACTCGGCTGGCATCGCGAGGCTGGAAGAAGGA  
GATGAGATTGAGCTTCAATTCCCGGGAGAATGCACAGATTTACGCAACGGAGACGACACCTTCTTTG  
GTGCCCTAAAACCTGCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR225393 protein sequence  
 Red=Cloning site Green=Tags(s)

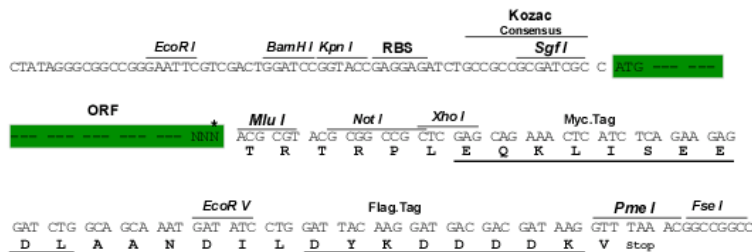
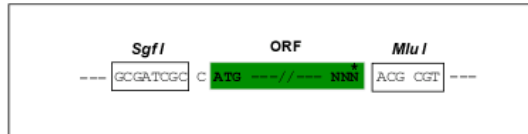
MDESAKTLPPPCLCFCSEKGEDMKVGYDPITPQKEEGAWFGICRDGRLLAATLLALLSSSFTAMSLYQL  
 AALQADLMNLRMELQSYRGSATPAAAGAPEL TAGVKLL TPAAPRPHNSSRGHRNRRAFQGPETEQDVDL  
 SAPPAPCLPGRHSQHDDNGMNLRNIIQDCLQLIADSDTPTIRKGYTYFVPWLLSFKRGNAL EEEKENKIV  
 VRQTGYFFIYSQVLYTDP IFAMGHVIQRKKVHVFGDELSLVTLFRCIQNPMTLPNNSCYSAGIARLEEG  
 DEIQLAIPRENAQISRNGDDTFFGALKLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_033622

**ORF Size:** 930 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\\_033622.2](#)

**RefSeq Size:** 1710 bp

**RefSeq ORF:** 930 bp

**Locus ID:** 24099

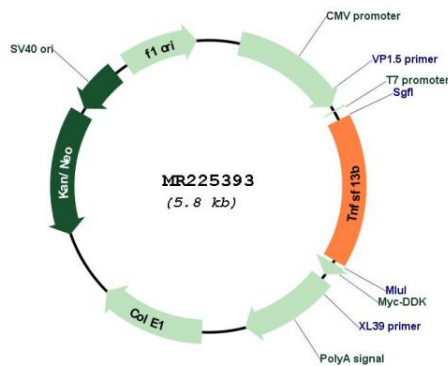
**UniProt ID:** [Q9WU72](#)

**Cytogenetics:** 8 4.55 cM

**MW:** 34.2 kDa

**Gene Summary:** Cytokine that binds to TNFRSF13B/TACI and TNFRSF17/BCMA. TNFSF13/APRIL binds to the same 2 receptors. Together, they form a 2 ligands -2 receptors pathway involved in the stimulation of B- and T-cell function and the regulation of humoral immunity. A third B-cell specific BAFF-receptor (BAFFR/BR3) promotes the survival of mature B-cells and the B-cell response.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR225393