

Product datasheet for MC209880

Tnfsf14 (NM_019418) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnfsf14 (NM_019418) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tnfsf14
Synonyms:	HVEM-L; HVEML; LIGHT; LTg; Ly113; Tnlg1d
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209880 representing NM_019418 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAGTGTGGTACAGCCTTCAGTGTTTGTGGTGGATGGACAGACGGACATCCCATTCAGGCGGCTGG
AACAGAACCACCGGAGACGGCGCTGTGGCACTGTCCAGGTGAGCCTGGCCCTGGTGTCTGTCTAGGTGC
TGGGCTGGCCACTCAGGGCTGGTTTCTCCTGAGACTGCATCAACGCTTTGGAGACATAGTAGCTCATCTG
CCAGATGGAGGCAAAGGCTCCTGGGAGAAGCTGATACAAGATCAACGATCTCACCAGGCCAACCCAGCAG
CACATCTTACAGGAGCCAACGCCAGCTTGATAGGTATTGGTGGACCTCTGTTATGGGAGACAGACTTGG
CCTGGCCTTCTTGAGGGCTTGACGTATCATGATGGGGCCCTGGTGACCATGGAGCCCGGTTACTACTAT
GTGTACTCCAAAGTGACGCTGAGCGGCTGGGGCTGCCCCAGGGGCTGGCCAATGGCCTCCCCATCACCC
ATGGACTATACAAGCGCACATCCCGCTACCCGAAGGAGTTAGAAGTCTGGTTCAGTCGGCGGTACCCCTG
TGGCCGGGCCAACAGCTCCCGAGTCTGGTGGGACAGCAGCTTCTGGCGGCGTGGTACATCTGGAGGCT
GGGGAAGAGGTGGTGGTCCGCTGCCTGGAAACCGCTGGTCAGACCACGTGACGGCACCAGGTCCTATT
TCGGAGCTTTCATGGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_019418
Insert Size:	720 bp



[View online »](#)

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_019418.3](#), [NP_062291.1](#)

RefSeq Size: 1869 bp

RefSeq ORF: 720 bp

Locus ID: 50930

UniProt ID: [Q9QYH9](#)

Cytogenetics: 17 D

Gene Summary: Cytokine that binds to TNFRSF3/LTBR. Binding to the decoy receptor TNFRSF6B modulates its effects. Activates NFKB and stimulates the proliferation of T-cells. Acts as a ligand for TNFRSF14/HVEM. Upon binding to TNFRSF14/HVEM, delivers costimulatory signals to T cells, leading to T cell proliferation and IFNG production (By similarity).[UniProtKB/Swiss-Prot Function]