

Product datasheet for **RR200681**

Tnfrsf8 (NM_019135) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnfrsf8 (NM_019135) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tnfrsf8
Synonyms:	Cd30
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR200681 representing NM_019135
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCATCTACTCAAGGCAGCCGGTGTCTGTTCTGGGGATGCTTCAAGCCTCCCAAAGGATCGAC
 CACTGGACACTACCTGTACCGGAGACCTCAGCTACTACCCCGGGAGGCTGCCAGAACTGCTGTTACCA
 GTGCCCTCAGGGTTGTCTCCTACACAGCCATGCCACAGGGCCCTGCCACTGCCAGAAACAGTGTGATC
 CTGACTACTACATCAAACGAAGACGGGAAGTGCACAGCCTGCGTGACCTGTTTGCCAGGCCCTCGTGGAGA
 AGGCTCCATGTTCTGGGAACTCTCCTCGAATCTGTGAGTGTAGCCCGGCATGACTGCTCCACACCAGC
 TGTCAATTCCTGTGCCGATGTTCTGAAAAGACGGTGTCAAGTCCCAGACACAGCAGAAAAGAACA
 ATCTGTGAGTGCCTCCCAGGATCTGGCCCAATGGCTCCAATCCAGACGACTGCAAAACACTTACTA
 GCCATACCACTCCTCAGCCATACCTACTCTAGAATCTCCAGCCAATGACAGTGTGAGGAGCTTGTCTGCC
 AAAACAGTCACTGACTTTGTGAACGAAGGTGCTACTAAGCTGGTGAAGTTCCTGAGTCTTCTCTTCC
 AAGGCAAGCATGCCTAGTCCAGATCCAGGTAATGCAGAGATGAATATGACCTTGAAGCTTCCACCTCCAG
 GGACAGTCCCTGACATCAGTACTTCAGAAAACAGCATGGAGCCTGCCAGTACCGCCTCCACCTAAGCCT
 CTTGGTAGATGCCCGGACCAGCAGCAGGATGCAGCCTACATCTCCCTTGTCCACAGGAACACCGTTTCTG
 GATCCAGGGACCATGCTCTTCTGGGTGGCCATGGTGGTGTCTGGTGGCTCTGCCTCCTTCTCTCTGT
 GTTACTGGAAGGCTGCTGGAGGCGGTTCCAGCGGAAGTTTCACTGAATATCTACAGCAGACCTTCCA
 GCCAAGATGGAGCAGGTAGATTCTGTCTACTGAAAAGCTAACTCAGCTGCAGAGAAGTGGGTCACTG
 ACAGATCCAGCGCTGGACACACGTTGAGCCACTGAGCCCTCCAGCTGTAGAGACTGGTGCCAGTFTG
 GAACCGCTGCCTGGAGACCTGCCGCTGGATGACAGCATAACTGGGAACTCTTTTGTCTCCAGTGA
 ACCTCCAGAGCCACGGGTATCCACCGAACACCAACAACAGGATTGAGAAAATCTACATCATGAAGGCT
 GACACAGCGATTGTGGGCTCAGTAAAACTGAAGTCCCTGAGGGCCGGGCTCCAGTAGGGTCTACAGAGT
 CTGAGTTGGAAGCTGAACTAGAAGTGGACCATACCCCCATTACCCGGAGCAGGAGACAGAACCCCTCT
 GGGCAGCTGCACTGAGGTGATGTTCTCCGTGGAGGAAGGAGGAAAAGAAGACCATGAGCCACAACCTGTC
 TCTGAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200681 representing NM_019135
 Red=Cloning site Green=Tags(s)

MSILLKAAGLLFLGMLQAFPKDRPLDTTCTGDLSYYPGEAARNCCYQCPSGLSPTQPCPQGPATARNSVI
 LTTTSDNEDGKCTACVTCLPGLVEKAPCSGNSPRICECQPGMYCSTPAVNSCARCSEKTVVKFPDIAEKNT
 ICELPSPGSGPNGSNPDDCKLTSHHTPQAIPTLESPANDSVRSLLPKQVDFVNEGATKLVKVPESSSS
 KASMPSPDPGNAEMNMTLKLPPPGTVPDISTSENSMEPASTLSLLVDARTSSRMQPTSPLSTGTPFL
 DPGTMLFWVAMVVLLVGSASFLLCYWKACWRRFQRKFHLNYLQQTFFPKMEQVDSCTPEKLTQLQRSQSV
 TDSAGHTLSPLSPPAVETGASVGTACLETPLLDSDITGNSFAPREPPEPRVSTEHTNRIEKIYIMKA
 DTAIVGSVKTEVPEGRAPVGSTESELEAELEVDHTPHYPEQETEPPLGSCTEVMFVSEEGKEDHEPTTV
 SEK

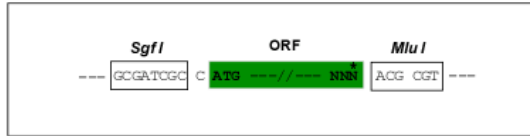
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

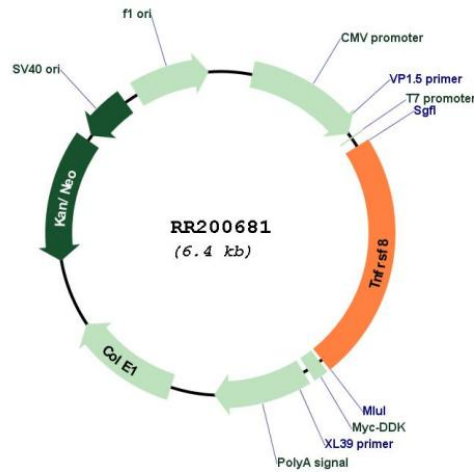
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_019135

ORF Size: 1479 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_019135.1](#), [NP_062008.1](#)

RefSeq Size: 3383 bp

RefSeq ORF: 1482 bp

Locus ID: 25069

UniProt ID: [P97525](#)

Cytogenetics: 5q36

MW: 52.7 kDa

Gene Summary: Tnfrsf8/Cd30l receptor [RGD, Feb 2006]