

Product datasheet for **RC203200**

TLCD3B (NM_031478) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TLCD3B
Synonyms:	FAM57B; FP1188
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203200 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGACCCCGATGGTGGCCGGGGGGTGGTGTTCCTCCGACTCTTCCTCTCCAAGAACACGCTCC
 AGCGGCTGCCCCAGCTACGCTGGGAGGAGGCCGACGCAGTCATTGTCTCAGCCAGGCTGGTGTCTCTGT
 CCAGGCCATCATGGCTCCACTGCCGGCTACATCGTCTCCACCTCCTGCAAGCACATCATTGATGACCAA
 CACTGGCTGTCTCTGCCTACACGAATTTGCTGTGCCCTACTTCATCTACGACATCTACGCCATGTTCC
 TCTGTCACTGGCACAAGCACAGGTCAAAGGGCATGGAGGGGACGACGGAGCGGCCAGACCCCGGGCAG
 CACGTGGGCCATAGCGCTGGCTACCTGCACAAGGAGTTCTCATGGTGTCCACCATGCCGCCATGGTG
 CTGGTGTGCTTCCCACTCTCAGTGGTGTGGCGACAGGTAAGGGAGACTTCTTTCTGGGTTGCATGTTGA
 TGGCAGAGGTGAGCAGCCCTTCGTCTGCCTTGGAAGATCCTCATCCAGTACAAGCAGCAGCACACACT
 GCTGCACAAGGTGAACGGGGCCCTGATGCTGCTCAGCTTCCTCTGCTGCCGGGTGCTGCTCTTCCCTAC
 CTGTACTGGGCTACGGGCGCCATGCCGGCTGCCCTGCTGGCCGTGCCCTGGCCATCCCTGCCACG
 TCAACCTGGGCGCTGCGCTGCTCCTGGCCCTCAGCTCTACTGGTTCTTCTCATCTGCCGTGGGCGCTG
 CCGCTCTTCTGGCCCCGCTCCCGGCCGCCCGGCCCTGCCAGGCCAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC203200 protein sequence
 Red=Cloning site Green=Tags(s)

MLTPMVAGGVFPGLFLLSKNTLQRLPQLRWEEADAVIVSARLVSSVQAIMASTAGYIVSTSCKHIIDDQ
 HWLSSAYTQFVYPYFIYDIYAMFLCHWHKHQVKGHGGDDGAARAPGSTWAIARGYLHKEFLMVLHHAAMV
 LVCFPLSVVWRQKGDFFLGCMLEAEVSTPFVCLGKILIQYKQHTLLHKVNGALMLLSFLCCRVLLFPY
 LYWAYGRHAGLPLLAIVPLAIPAHVNLGAALLLAPQLYWFFLICRGACRLFWPRSRPPACQAQD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6579_h09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_031478

ORF Size: 822 bp

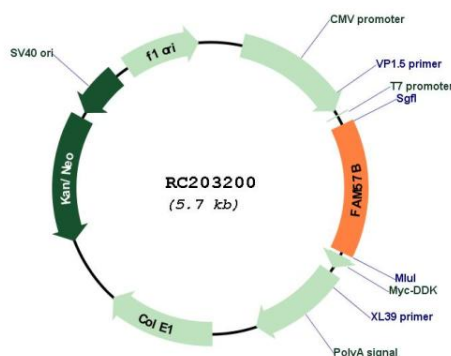
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

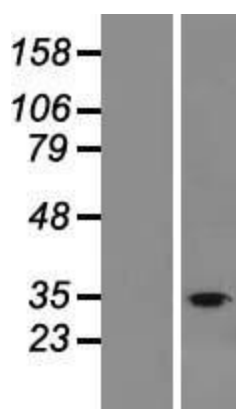
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_031478.6</u>
RefSeq Size:	1943 bp
RefSeq ORF:	825 bp
Locus ID:	83723
UniProt ID:	<u>Q71RH2</u>
Cytogenetics:	16p11.2
Protein Families:	Transmembrane
MW:	30.6 kDa
Gene Summary:	This gene encodes a transmembrane protein, which may be a likely target of peroxisome proliferator-activated receptor gamma (PPAR-gamma). The product of the orthologous gene in mouse is related to obesity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Product images:



Circular map for RC203200



Western blot validation of overexpression lysate (Cat# [LY410473]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203200 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).