

## Product datasheet for **RC215558**

### **C18orf1 (LDLRAD4) (NM\_181483) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C18orf1 (LDLRAD4) (NM_181483) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C18orf1
Synonyms:	C18orf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215558 representing NM_181483 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGCAGCGGAGCTGGAGTTCGCCCAAATCATCATCATCGTCGTGGTGGTCACGGTGATGGTGGTGGTCA  
TCGTCTGCCTGCTGAACCACTACAAAGTCTCCACGCGGTCCTTCATCAACCGCCGAACAGAGCCGGAG  
GCGGGAGGACGGGCTGCCGAGATCATGCATGCCCGCGGTCCAGGGACAGGTTACAGCGCCGTCCTTC  
ATCCAGAGGGATCGTTCAGCCGCTTCCAGCCACCTACCCTATGTGCAGCACGAGATTGATCTTCTCTC  
CCACCATCTCCCTGTCCGACGGTGAAGAGCCACCTCCTTACCAGGGGCCCTGCACCCTGCAGCTCCGGGA  
CCCTGAACAGCAGATGGAACCAACCGAGAGTCCGTGAGGGCCCCACCAACCGAACCATATTTGACAGT  
GATTTAATAGACATTGCTATGTATAGCGGGGTCCATGCCACCCAGCAGCAACTCGGGCATCAGTGCAA  
GCACCTGCAGCAGTAACGGGAGGATGGAGGGGCCACCCCCACATACAGCGAGGTGATGGGCCACCAACC  
AGGCGCTCTTTCTCCATCACCAGCGCAGCAACGCACACAGGGGCAGCAGACTGCAGTTTCAGCAGAAC  
AATGCAGAGAGCACAATAGTACCCATCAAAGGCAAAGATAGGAAGCCTGGGAACCTGGTC

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)



**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\\_181483.3](#), [NP\\_852148.1](#)

**RefSeq Size:** 8031 bp

**RefSeq ORF:** 692 bp

**Locus ID:** 753

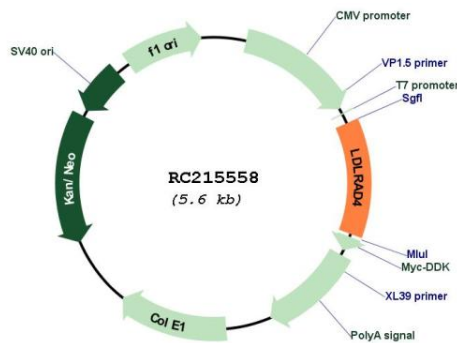
**Cytogenetics:** 18p11.21

**Protein Families:** Druggable Genome, Transmembrane

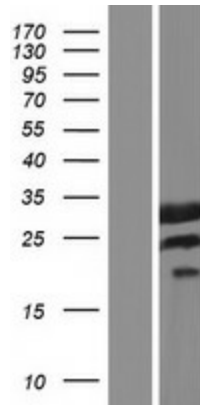
**MW:** 25.6 kDa

**Gene Summary:** Functions as a negative regulator of TGF-beta signaling and thereby probably plays a role in cell proliferation, differentiation, apoptosis, motility, extracellular matrix production and immunosuppression. In the canonical TGF-beta pathway, ZFYVE9/SARA recruits the intracellular signal transducer and transcriptional modulators SMAD2 and SMAD3 to the TGF-beta receptor. Phosphorylated by the receptor, SMAD2 and SMAD3 then form a heteromeric complex with SMAD4 that translocates to the nucleus to regulate transcription. Through interaction with SMAD2 and SMAD3, LDLRAD4 may compete with ZFYVE9 and SMAD4 and prevent propagation of the intracellular signal.[UniProtKB/Swiss-Prot Function]

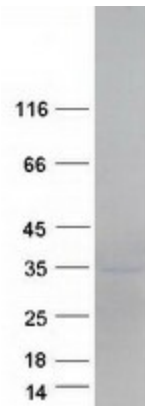
**Product images:**



Circular map for RC215558



Western blot validation of overexpression lysate (Cat# [LY405781]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215558 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LDLRAD4 protein (Cat# [TP315558]). The protein was produced from HEK293T cells transfected with LDLRAD4 cDNA clone (Cat# RC215558) using MegaTran 2.0 (Cat# [TT210002]).