

Product datasheet for **RC233493**

C18orf1 (LDLRAD4) (NM_001276249) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C18orf1 (LDLRAD4) (NM_001276249) 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:	>RC233493 representing NM_001276249 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGTGGTCATCGTCTGCCTGCTGAACCACTACAAAGTCTCCACGCGGTCTTCATCAACCGCCCGA
ACCAGAGCCGGAGGCGGGAGGACGGGCTGCCGACGGAAGGGTGCCTGTGGCCTTCAGACAGCGCCGCACC
GCGGCTGGGCGCCTCGGAGATCATGCATGCCCGCGGTCCAGGGACAGGTTACAGCGCCGTCCTTCATC
CAGAGGGATCGTTCAGCCGCTCCAGCCACCTACCCCTATGTGCAGCAGAGATTGATCTTCCTCCCA
CCATCTCCCTGTCCGACGGTGAAGAGCCACCTCCTTACCAGGGGCCCTGCACCCTGCAGTCCGGGACCC
TGAACAGCAGATGGAACCAACCGAGAGTCCGTGAGGGCCCAACCAACCGAACCATATTTGACAGTGAT
TTAATAGACATTGCTATGTATAGCGGGGTCCATGCCACCCAGCAGCAACTCGGGCATCAGTGCAAGCA
CCTGCAGCAGTAACGGGAGGATGGAGGGGCCACCCCCACATACAGCGAGGTGATGGGCCACCCAGG
CGCCTCTTTCCTCCATCACCAGCGCAGCAACGCACACAGGGGCAGCAGACTGCAGTTTCAGCAGAACAAT
GCAGAGAGCACAATAGTACCCATCAAAGGCAAAGATAGGAAGCCTGGGAACCTGGTC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001276249.1](#), [NP_001263178.1](#)

RefSeq Size: 8138 bp

RefSeq ORF: 690 bp

Locus ID: 753

UniProt ID: [O15165](#)

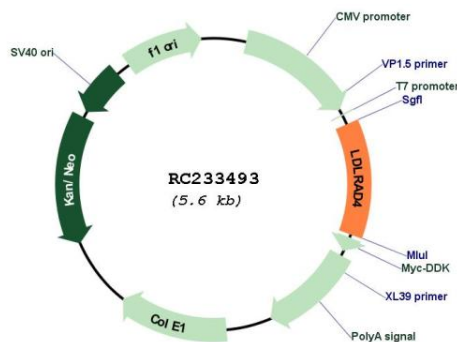
Cytogenetics: 18p11.21

Protein Families: Druggable Genome, Transmembrane

MW: 26 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 RC233493