

## Product datasheet for **TP315558M**

### **C18orf1 (LDLRAD4) (NM\_181483) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Homo sapiens chromosome 18 open reading frame 1 (C18orf1), transcript variant b2, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC215558 representing NM_181483 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MAAELEFAQIIIIVVVTVMWWVIVCLLNHYKVSTRSFINRPNQSRREDGLPQIMHAPRSRDRFTAPSF IQDRFSRFQPTYVYVQHEIDLPTISLSDGEEPPYQGPCTLQLRDPEQQMELNRESVRAPPNRTIFDS DLIDIAMYSGGPCPPSSNSGISASTCSSNGRMEGPPPTYSEVMGHHPGASFLHHQRSNAHRGSRLLQFQQN NAESTIVPIK GKDRKPGNLV  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	25.6 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_852148</a></u>
<b>Locus ID:</b>	753



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UniProt ID: [O15165](#)

RefSeq Size: 8031

Cytogenetics: 18p11.21

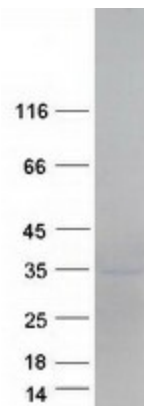
RefSeq ORF: 690

Synonyms: C18orf1

**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]

**Protein Families:** Druggable Genome, Transmembrane

### Product images:



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]).