Recombinant Mouse Ldlrad4 Protein, Myc/DDK-tagged

Cat. No. Ldlrad4-3768M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length low density lipoprotein receptor class A domain containing 4 (Ldlrad4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	33.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Ldlrad4 low density lipoprotein receptor class A domain containing 4 [Mus musculus (house mouse)]
Official Symbol	Ldlrad4
Synonyms	Ldlrad4; low density lipoprotein receptor class A domain containing 4; C18orf1; A430083H02; D18Ertd653; D18Ertd653e; 8230401C20Rik; A430108L08Rik; D330030L18Rik; low-density lipoprotein receptor class A domain-containing protein 4
Gene ID	52662
mRNA Refseq	NM_172631
Protein Refseq	NP_766219
UniProt ID	Q8BWJ4

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