

Datasheet for ABIN5709879

LRP4 Protein (AA 1747-1905) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	LRP4
Protein Characteristics:	AA 1747-1905
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This LRP4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	YRHKKSFTD PGMGNLTYSN PSYRTSTQEV KIEAIPKPAM YNQLCYKKEG GPDHNYTKEK IKIVEGICLL SGDDAEWDDL KQLRSSRGG LRDHVCMTD TVSIQASSGS LDDTETEQLL QEEQSECSSV HTAATPERRG SLPDTGWKHE RKLSSSQV
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	LRP4
Alternative Name:	LRP4 (LRP4 Products)
Background:	Mediates SOST-dependent inhibition of bone formation. Functions as a specific facilitator of SOST-mediated inhibition of Wnt signaling. Plays a key role in the formation and the

Target Details

maintenance of the neuromuscular junction (NMJ), the synapse between motor neuron and skeletal muscle. Directly binds AGRIN and recruits it to the MUSK signaling complex. Mediates the AGRIN-induced phosphorylation of MUSK, the kinase of the complex. The activation of MUSK in myotubes induces the formation of NMJ by regulating different processes including the transcription of specific genes and the clustering of AChR in the postsynaptic mbrane. Alternatively, may be involved in the negative regulation of the canonical Wnt signaling pathway, being able to antagonize the LRP6-mediated activation of this pathway. More generally, has been proposed to function as a cell surface endocytic receptor binding and internalizing extracellular ligands for degradation by lysosomes.

Molecular Weight: 22 kDa

UniProt: [O75096](#)

Pathways: [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

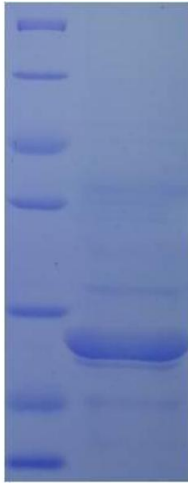
Format: Liquid

Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.