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Datasheet for ABIN2566807  
**LRRC4 Protein (His tag)**

### Overview

Quantity:	0.1 mg
Target:	LRRC4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This LRRC4 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB)

### Product Details

Characteristics:	Measured by its binding ability in a functional ELISA. Immobilized Recombinant mouse Netrin-G2a Fc chimera at 4 µg/mL, can bind rhLRRC4 with an apparent KD < 10 nM.
Purity:	>92 % as determined by SDS-PAGE.

### Target Details

Target:	LRRC4
Alternative Name:	NGL 2 ( <a href="#">LRRC4 Products</a> )
Background:	LRRC4 (Leu-rich repeat/LRR-containing glycoprotein 4), LRRC4B and LRRC4C are post-synaptic adhesion molecules of the LRR protein family that induce excitatory synapse formation. LRRC4 is also known as Brain tumor-associated protein BAG, Netrin-G2 ligand (NGL-2), Nasopharyngeal carcinoma-associated gene 14 protein (NAG14), which contains 1 Ig-like

## Target Details

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(immunoglobulin-like) domain and 9 LRR (leucine-rich) repeats, 1 LRRCT domain, 1 LRRNT domain. LRRC4 / NGL-2 specifically expressed in brain. LRRC4 / NGL-2 regulates the formation of excitatory synapses through the recruitment of pre-and-postsynaptic proteins. LRRC4 / NGL-2 organize the lamina/pathway-specific differentiation of dendrites. LRRC4 / NGL-2 plays an important role for auditory synaptic responses and involved in the suppression of glioma.

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Molecular Weight: 55.6 kDa

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Gene ID: 64101

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UniProt: [Q9HBW1](#)

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Pathways: [Synaptic Membrane](#)

## Application Details

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Application Notes: This recombinant protein can be used for WB, ELISA. For research use only.

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Buffer: PBS, pH 7.4

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Storage: -80 °C,-20 °C

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Storage Comment: Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C. Avoid repeated freeze-thaw cycles.