Datasheet for ABIN2181482

LRRC4 Protein (AA 39-527) (His tag)

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Overview

Quantity:	100 µg
Target:	LRRC4
Protein Characteristics:	AA 39-527
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LRRC4 protein is labelled with His tag.

Product Details

Sequence:	AA 39-527
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 55.6 kDa. The protein migrates as 90-110 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>92 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	LRRC4
Alternative Name:	LRRC4 (LRRC4 Products)

Target Details

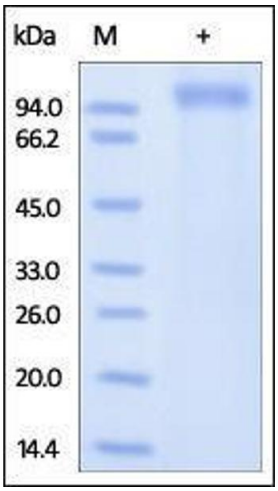
Background:	LRRC4 (Leu-rich repeat/LRR-containing glycoprotein 4), LRRC4B and LRRC4C are post-synaptic adhesion molecules of the LRR protein family that induce excitatory synapse formation. LRRC4 is also known as Brain tumor-associated protein BAG, Netrin-G2 ligand (NGL-2), Nasopharyngeal carcinoma-associated gene 14 protein (NAG14), which contains 1 Ig-like (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 exitatory synapses through the recruitment of pre-and-postsynaptic proteins. LRRC4 / NGL-2 organize the lamina/pathway-specific differentiation of dendrites. LRRC4 / NGL-2 plays a important role for auditory synaptic responses and involved in the suppression of glioma.
Molecular Weight:	55.8 kDa
Pathways:	Synaptic Membrane

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).



SDS-PAGE

Image 1. Human LRRC4, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 92%.