NGL-1/LRRC4C Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77103
Synonyms:	Leucine-rich repeat-containing protein 4C; Netrin-G1 ligand; KIAA1580; NGL1
Species:	Mouse
Source:	HEK293
Accession:	Q8C031 (M1-K527)
Gene ID:	241568
Molecular Weight:	Approximately 55.5 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The NGL-1/LRRC4C protein appears to play a role in promoting neurite outgrowth in developing thalamic neurons, suggesting its involvement in the intricate processes of neuronal growth and connectivity. Its potential to facilitate the extension of neurites implies a key function in shaping the architecture of neural circuits. Additionally, NGL-1/LRRC4C interacts with NTNG1 and WHRN, indicating its participation in molecular interactions that could further modulate neurite outgrowth and influence the development of synaptic connections. Further exploration into the specific mechanisms and downstream effects of NGL-1/LRRC4C in promoting neurite outgrowth and its interactions with NTNG1 and WHRN could provide valuable insights into its role in neural development and circuit formation.

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