

LINGO1 Protein, Mouse, Recombinant (His)

General Information

Synonyms:	Lrrn6a;Lingo1;Lern1;Leucine-rich repeat neuronal protein 1;Leucine-rich repeat neuronal protein 6A;Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 1
Protein Construction:	37-555 aa
Species:	Mouse
Expression Host:	E. coli
Accession:	Q9D1T0
Molecular Weight:	62.9 kDa (predicted)
AA Sequence:	PPRCECSAQDRAVLCHRKRFBVAVPEGIPTETRLDLGKNRIKTLNQDEFASFPHLEELNENIVSAVEPGAFN NLFNLRTLGLRSNRLKLIPLGVFTGLSNLTKLDISENKIVILLDYMFQDLYNLKSLEVGDNDLVYISHRAFSGLNS LEQLTLEKCNLTSIPTEALSHLHGLIVLRLRHLNINAIIRDYSFKRLRYLKVLEISHWPYLDTMTPNCLYGLNLTSL ITHCNLTAVPYLAVRHLVYLRFLNLSYNPIGTIEGSMHELLRLQEIQLVGGQLAVVEPYAFRGLNLYLRVLNVSG NQLTTLEESAFHSVGNLETLILDSNPLACDCRLLWVFRWRWLNFNRRQPTCATPEFVQGKEFKDFPDVLLPN YFTCRAHIRDRKAQQVFVDEGHTVQFVCRADGDPPIALWLSPRKHLVSAKSNGLTVFPDGTLEVRYAQV QDNGTYLCIAANAGGNDSPAHHLHVRSPDWPHPQPNKTFAFISNQPGEGEANSTRATVPFPFDIKTLIIAT

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Functional component of the Nogo receptor signaling complex (RTN4R/NGFR) in RhoA activation responsible for some inhibition of axonal regeneration by myelin-associated factors. Is also an important negative regulator of oligodendrocyte differentiation and axonal myelination. Acts in conjunction with RTN4 and RTN4R in regulating neuronal precursor cell motility during cortical development.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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