

LINGO1 Protein, Human, Recombinant (His)

General Information

Synonyms:	Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 1;Leucine-rich repeat neuronal protein 6A;Leucine-rich repeat and immunoglobulin domain-containing protein 1;LRRN6A;LINGO1;Leucine-rich repeat neuronal protein 1;LERN1
Protein Construction:	42-561 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q96FE5
Molecular Weight:	63.1 kDa (predicted)
AA Sequence:	<p>CPPRCECSAQDRAVLCHRKRFFAVPEGIPTETRLLDLGKNRIKTLNQDEFASFPHLEELNENIVSAVEPGAF NNLNFNLRTLGLRSNRLKLIPLGVFTGLSNLTKLDISENKIVILLDYMFDLYNLKSLEVGDNLDVYISHRAFSGLN SLEQLTLEKCNLTSIPTEALSHLHGLIVLRLRHLNINAIIRDYSFKRLYLKVLKVEISHWPYLDTMTPNCLYGLNLTSL SITHCNLTAVPYLAVRHLVYLRFLNLSYNPISTIEGSMHELLRLQEIQLVGGQLAVVEPYAFRGLNYLRVLNVS GNQLTTLEESVFHSGVGNLETILILDSNPLACDCRLLWVFRRRWRLNFRNQPTCATPEFVQGFKDFPDVLLP NYFTCRRARIRDRKAQQVFVDEGHTVQFVCRADGDPPIILWLSRPHKLVSAKSNRGLTVFPDGTLEVRVYQ VQDNGTYLCIAANAGGNDSPAHHLHVRSPDWPHPQPNKTFAFISNQPGEGEANSTRATVPFPFDIKTLIIAT</p>

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:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

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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