

## Product datasheet for **AR51831PU-S**

### LINGO1 (241-370, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	LINGO1 (241-370, His-tag) human protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSLKVL EISHWPYLDT MTPNCLYGLN LTSLSITHCN LTAVPYLAVR HLVYLRFLNL SYNPISTIEG SMLHELLRLQ EIQLVGGQLA VVEPYAFRGL NYL
Tag:	His-tag
Predicted MW:	15.1 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001288115</a>
Locus ID:	84894
UniProt ID:	<a href="#">Q96FE5</a> , <a href="#">Q96FE5-2</a>
Cytogenetics:	15q24.3
Synonyms:	LINGO1, LERN1, LRRN6A



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**Summary:**

Functional component of the Nogo receptor signaling complex (RTN4R/NGFR) in RhoA activation responsible for some inhibition of axonal regeneration by myelin-associated factors (PubMed:14966521, PubMed:15694321). Is also an important negative regulator of oligodendrocyte differentiation and axonal myelination (PubMed:15895088). Acts in conjunction with RTN4 and RTN4R in regulating neuronal precursor cell motility during cortical development (By similarity).[UniProtKB/Swiss-Prot Function]

**Protein Families:**

Druggable Genome, Transmembrane

**Product images:**