

LINGO, 241-370 aa, Human, His tag, E.coli

Cat.NO.: TP02833

3th Edition

Synonyms:Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein1, LERN1, LRRN6A, uNQ201

Description:Lingo1 also known as Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein1. LINGO-1 is primarily expressed in neuronal tissue, and most abundantly in cortex. It has been implicated in the inhibition of axon regeneration through a ternary complex formed with NgR1 (ligand-binding subunit) and p75 (signal transducing subunit). The inhibitory action is achieved through RhoA-GTP upregulation in response to the presence of MOG, MAG or Nogo-66 in the central nervous system. LINGO-1 also inhibits oligodendrocyte precursor differentiation and myelination, by a mechanism that also involves activation of RhoA, but which apparently does not require 75 or NgR1. Recombinant human LINGO1 protein, was expressed in E.coli

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Molecular Weight:15.1kDa (133aa)

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSLKVLKLEISHWPYLDTMTPNCLYGLNLTSLSTHNCNLTA
V
PYLAVRHLVYLRFLNLSYNPISTIEGSMHELLRLQEIQLVGGQLAVVEPYAFRGLNYL

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.