

## Product datasheet

# Recombinant Human Lingo1 protein (denatured) ab202603

1 Image

### Description

<b>Product name</b>	Recombinant Human Lingo1 protein (denatured)
<b>Purity</b>	> 90 % SDS-PAGE.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<u><b>Q96FE5</b></u>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSL KVLEISHWPYLDT MTPNCLYGLNLTSLSTHNCNLTAVPYLAVRHLVYLRFLNLSY NPSTIEG SMLHELLRLQEQLVGGQLAVVEPYAFRGLNYL
<b>Predicted molecular weight</b>	15 kDa including tags
<b>Amino acids</b>	241 to 337
<b>Tags</b>	His tag N-Terminus
<b>Additional sequence information</b>	NP_116197

### Specifications

Our **Abpromise guarantee** covers the use of **ab202603** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Liquid

### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
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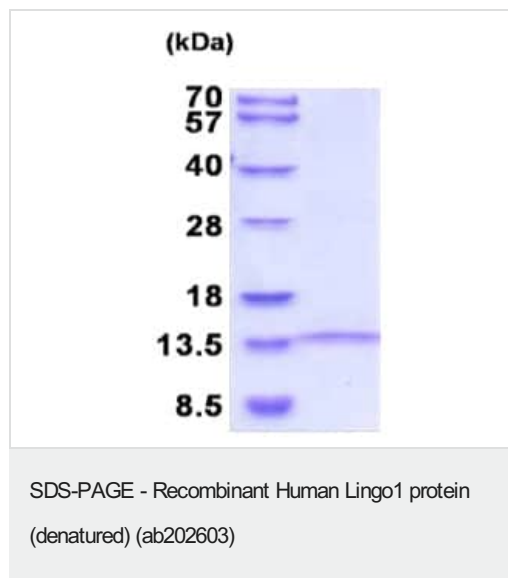
pH: 8.00

Constituents: 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine)

## General Info

<b>Function</b>	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.
<b>Tissue specificity</b>	Expressed exclusively in the central nervous system. Highest level in the in amygdala, hippocampus, thalamus and cerebral cortex. In the rest of the brain a basal expression seems to be always present. Up-regulated in substantia nigra neurons from Parkinson disease patients.
<b>Sequence similarities</b>	Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 11 LRR (leucine-rich) repeats. Contains 1 LRRCT domain. Contains 1 LRRNT domain.
<b>Post-translational modifications</b>	N-glycosylated. Contains predominantly high-mannose glycans.
<b>Cellular localization</b>	Cell membrane.

## Images



15% SDS-PAGE analysis of 3 µg of ab202603.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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