

# Mouse LRRN1 Protein

Cat. No. LNR-MM101

## Description

|                         |   |
|-------------------------|---|
| <b>Source</b>           | Recombinant Mouse LRRN1 Protein is expressed from HEK293 with His tag at the C-Terminus.<br>It contains Ser26-Ala631.               |
| <b>Accession</b>        | Q61809  |
| <b>Molecular Weight</b> | The protein has a predicted MW of 69.28 kDa. Due to glycosylation, the protein migrates to 80-90 kDa based on Bis-Tris PAGE result. |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.   |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE<br>> 90% as determined by HPLC   |

## Formulation and Storage

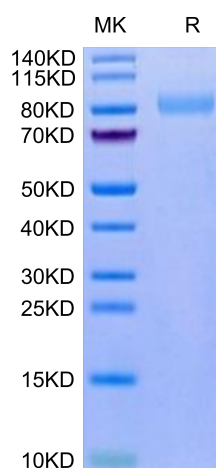
|                    |  |
|--------------------|--|
| <b>Formulation</b> | Supplied as 0.22µm filtered solution in PBS (pH 7.4).  |
| <b>Storage</b>     | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

Lrrn1 is required for the formation of MHB--loss of function leads to a loss of the morphological constriction and loss of Fgf8. Cells overexpressing Lrrn1 violate the boundary and result in a loss of cell restriction between midbrain and hindbrain compartments. Lrrn1 also regulates the glycosyltransferase Lunatic Fringe, a modulator of Notch signalling, maintaining its expression in midbrain cells which is instrumental in MHB boundary formation.

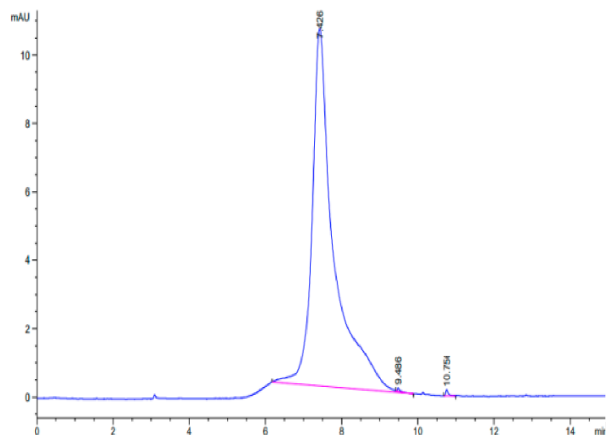
## Assay Data

### Bis-Tris PAGE



Mouse LRRN1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Mouse LRRN1 is greater than 90% as determined by SEC-HPLC.