

# Active Recombinant Human Leucine Rich Repeat And Fibronectin Type III Domain Containing 3, His-tagged

**Cat. No.** LRFN3-486H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinanthuman LRFN3 protein with a C-terminal 6-His tag was expressed in Murine myeloma cell line, NS0-derived. Ser17 - Met539.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Protein Length</b>	17-539 a.a.
<b>Description</b>	LRFN3 is an approximately 90 kDa member of the Lrfr family of type I transmembrane glycoproteins. Human LRFN3 is synthesized as a 628 amino acid (aa) precursor that contains a 16 aa signal sequence, a 523 aa extracellular domain (ECD), a 21 aa transmembrane region, and a 68 aa cytoplasmic region. The ECD consists of six leucine rich repeats (LRR), an IgC2 like domain, and a fibronectin type III domain, tandemly aligned in that order.
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS.
<b>N-terminal Sequence</b>	Ser17
<b>Molecular Weight</b>	56.3 kDa
<b>Activity</b>	Measured by the ability of the immobilized protein to support the adhesion of Neuro2a mouse neuroblastoma cells (ATCC: CCL131). When 5 x 10 <sup>4</sup> cells/well are added

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torhSALM4 coated plates (2.5 µg/mL, 100 µL/well), approximately 50% 70% will adhere after 30 minutes at 37 °C. Optimal dilutions should be determined by each laboratory for each application.

**Endotoxin Level** <1.0 EU per 1 µg of the protein by the LAL method.

**Purity** >90%, by SDS-PAGE under reducing conditions and visualized by silver stain.

**Reconstitution** Reconstitute at 200 µg/mL in PBS.

**Storage** Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

## GENE INFORMATION

**Gene Name** LRFN3 leucine rich repeat and fibronectin type III domain containing 3 [ Homo sapiens ]

**Official Symbol** LRFN3

**Synonyms** LRFN3; leucine rich repeat and fibronectin type III domain containing 3; SALM4; FIGLER1; leucine-rich repeat and fibronectin type-III domain-containing protein 3; synaptic adhesion-like molecule 4; fibronectin type III, immunoglobulin and leucine rich repeat domains 1

**Gene ID** 79414

**mRNA Refseq** NM\_024509

**Protein Refseq** NP\_078785

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<b>MIM</b>	612809
<b>UniProt ID</b>	Q9BTN0
<b>Chromosome Location</b>	19q13.13

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