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## Datasheet for ABIN7317526 **LRRN3 Protein (His tag)**

### Overview

Quantity:	100 µg
Target:	LRRN3
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LRRN3 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human LRRN3 Protein (His Tag)
Sequence:	Met 1-Thr 628
Characteristics:	A DNA sequence encoding the human LRRN3 (AAH35133.1) extracellular domain (Met 1-Thr 628) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	LRRN3
Alternative Name:	LRRN3 ( <a href="#">LRRN3 Products</a> )
Background:	Background: Leucine-rich repeat neuronal protein 3, also known as neuronal leucine-rich repeat protein 3 (NLRR-3), is a member of leucine-rich (LRR) family whose members have significant functions in neural development. Leucine-rich repeats are short sequence motifs present in a

## Target Details

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number of proteins with diverse functions and cellular locations. All proteins containing these repeats are thought to be involved in protein-protein interactions. The crystal structure of ribonuclease inhibitor protein has revealed that leucine-rich repeats correspond to  $\beta$ - $\alpha$  structural units. These units are arranged so that they form a parallel  $\beta$ -sheet with one surface exposed to solvent, so that the protein acquires an unusual, non-globular shape. These two features may be responsible for the protein-binding functions of proteins containing leucine-rich repeats. LRRN3 plays an important role in cerebellum postnatal development. In a unilateral cortical injury cerebral cortex, NLRR-3 mRNA increased in layers 2-3 which suggests that NLRR-3 may be an important component of the pathophysiological response to brain injury.

Synonym: FIGLER5;NLRR-3;NLRR3

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Molecular Weight: 70 kDa

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 7.0, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.