# **Recombinant Human LRRN2 Protein (His Tag)**

Catalog Number:PKSH032690



*Note:* Centrifuge before opening to ensure complete recovery of vial contents.

### **Description**

Synonyms Leucine-Rich Repeat Transmembrane Neuronal Protein 2;Leucine-Rich Repeat

Neuronal 2 Protein; LRRTM2; KIAA0416; LRRN2

Species Human

Expression Host HEK293 Cells
Sequence Cys34-Arg422
Accession O43300
Calculated Molecular Weight 45.6 kDa
Observed molecular weight 74 kDa
Tag C-His

# **Properties**

**Purity** > 90 % as determined by reducing SDS-PAGE.

**Endotoxin** < 1.0 EU per µg of the protein as determined by the LAL method.

**Storage** 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.

**Shipping** This product is provided as lyophilized powder which is shipped with ice packs.

Formulation Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

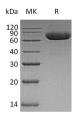
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed man

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

#### Data



> 90 % as determined by reducing SDS-PAGE.

## **Background**

Leucine-Rich Repeat Transmembrane Neuronal Protein 2 (LRRTM2) is a single-pass type I membrane protein that belongs to the LRRTM family. It contains ten LRR (leucine-rich) repeats, one LRRCT domain, and one LRRNT domain. LRRTM2 is expressed in neuronal tissues, and it interacts with DLG4 and NRXN1. LRRTM2 has been suggested to be involved in the development and maintenance of excitatory synapses in the vertebrate nervous system. LRRTM2 also regulates the surface expression of AMPA receptors. LRRTM2 acts as a ligand for the presynaptic receptors NRXN1-A and NRXN1-B.

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