Recombinant Human LRRN2 Protein (His Tag)

Catalog Number: PKSH032690

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

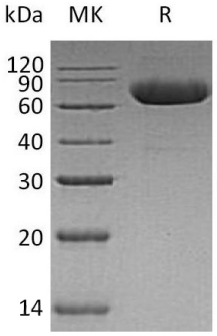
Description

Species	Human
Source	HEK293 Cells-derived Human LRRN2 protein Cys34-Arg422, with an C-terminal His
Calculated MW	45.6 kDa
Observed MW	74 kDa
Accession	O43300
Bio-activity	Not validated for activity

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 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
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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