

Recombinant Human LRRN2 Protein (His Tag)

Catalog Number: PKSH032690

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

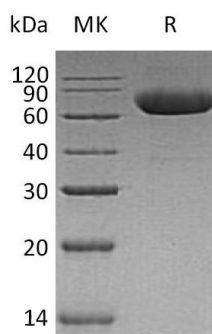
Description

Species	Human
Mol_Mass	45.6 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 °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% 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 (LRRN2) is a single-pass type I membrane protein that belongs to the LRRN family. It contains ten LRR (leucine-rich) repeats, one LRRCT domain, and one LRRNT domain. LRRN2 is expressed in neuronal tissues, and it interacts with DLG4 and NRXN1. LRRN2 has been suggested to be involved in the development and maintenance of excitatory synapses in the vertebrate nervous system. LRRN2 also regulates the surface expression of AMPA receptors. LRRN2 acts as a ligand for the presynaptic receptors NRXN1-A and NRXN1-B.

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