



Recombinant Protein Technical Manual

Recombinant Human LRRN2 Protein (His Tag)

RPES3284

Product Data:

Product SKU: RPES3284

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: O43300

Protein Information:

Molecular Mass: 45.6 kDa

AP Molecular Mass: 74 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

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

Application:

Synonyms: Leucine-Rich Repeat Transmembrane Neuronal Protein 2; Leucine-Rich Repeat Neuronal 2 Protein; LRRTM2; KIAA0416; LRRN2

Immunogen Information:

Sequence: Cys34-Arg422

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.