Active Recombinant Human LRRK2 Protein, FLAG-tagged

Cat. No. LRRK2-33H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human LRRK2 protein was expressed in mammalian cells with DYKDDDDK-tag.
Species	Human
Source	Mammalian Cells
ProteinLength	1-2527 aa
Description	Mutations in the leucine-rich repeat kinase 2 (LRRK2) gene, which codes for a multi-domain protein kinase, are considered the most common genetic cause of late-onset autosomal-dominant Parkinson's disease. This full-length, purified and active wild-type LRRK2 protein may be useful in research to better understand the native protein, unaffected by mutations, as well as to explore the mechanisms underlying the disease.
Form	50 mM Tris (pH 7.5), 150 mM NaCl, 0.5 mM EDTA, 0.02% Triton X–100, 2 mM DTT and 50% Glycerol.
Bio-activity	61 nmoles of phosphate transferred to ERM (LRRKtide) peptide substrate (RLGRDKYKTLRQIRQ) per minute per mg of total protein at 30 centigrade. Activity determined at a final protein concentration of 2.08 g/mL.
Molecular Mass	288 kDa

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Purity	85% as determined by a Coomassie blue stained SDS-PAGE gel
Storage	Store at -80 centigrade
Concentration	0.22 mg/mL total protein as measured using the Bradford protein assay with BSA as a standard.
Full Length	Full L.

GENE INFORMATION

Gene Name	LRRK2 leucine-rich repeat kinase 2 [Homo sapiens]
Official Symbol	LRRK2
Synonyms	LRRK2; leucine-rich repeat kinase 2; PARK8, Parkinson disease (autosomal dominant) 8; leucine-rich repeat serine/threonine-protein kinase 2; DKFZp434H2111; FLJ45829; RIPK7; augmented in rheumatoid arthritis 17; PARK8; AURA17; DARDARIN
Gene ID	120892
mRNA Refseq	NM_198578
Protein Refseq	NP_940980
MIM	609007
UniProt ID	Q5S007

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