

Recombinant Human LRRK2 HEK293T cell lysate

Cat. No. LRRK2-35HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LRRK2 was derived from Human HEK293T cell line.
Species	Human
Source	HEK293
Description	This gene is a member of the leucine-rich repeat kinase family and encodes a protein with an ankryin repeat region, a leucine-rich repeat (LRR) domain, a kinase domain, a DFG-like motif, a RAS domain, a GTPase domain, a MLK-like domain, and a WD40 domain. The protein is present largely in the cytoplasm but also associates with the mitochondrial outer membrane. Mutations in this gene have been associated with Parkinson disease-8.
Form	1 vial of 100 g gene specific transient over-expression cell lysate in RIPA buffer(25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF and 1mM Na3VO4). 1 vial of 100 g empty vector transfected control cell lysate in RIPA buffer. 1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT).
Molecular Mass	285.9 kDa
Storage	Upon receiving, store the sample at -20 centigrade. Lysate samples are stable for 12 months from date of receipt when stored at -20 centigrade. Avoid repeated freeze-thaw cycles.

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Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20 centigrade for long term storage. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

Shipping The lysate is shipped with dry ice

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; ROCO2; 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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