# Recombinant Human LRRK2 HEK293T cell lysate

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

## SPECIFICATION

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| **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 µg 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).<br>1 vial of 100 µg empty vector transfected control cell lysate in RIPA buffer.<br>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

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| **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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