

## Recombinant Human PARK2 293 Cell Lysate

**Cat. No.** PARK2-3433HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for Parkinson disease (autosomal recessive, juvenile) 2, parkin (PARK2), transcript variant 3 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
<b>Components</b>	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
<b>Applications</b>	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

<b>Gene Name</b>	PARK2 parkinson protein 2, E3 ubiquitin protein ligase (parkin) [ Homo sapiens ]
<b>Official Symbol</b>	PARK2
<b>Synonyms</b>	PARK2; parkinson protein 2, E3 ubiquitin protein ligase (parkin); Parkinson disease (autosomal recessive, juvenile) 2, parkin; E3 ubiquitin-protein ligase parkin; AR JP; E3 ubiquitin ligase; parkin; PDJ; parkin 2; parkinson disease protein 2; parkinson juvenile disease protein 2; PRKN; AR-JP; LPRS2;
<b>Gene ID</b>	5071
<b>mRNA Refseq</b>	NM_004562
<b>Protein Refseq</b>	NP_004553
<b>MIM</b>	602544
<b>UniProt ID</b>	O60260
<b>Chromosome Location</b>	6q25.2-q27
<b>Pathway</b>	Adaptive Immune System, organism-specific biosystem; Alpha-synuclein signaling, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem;

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**Function**

PDZ domain binding; acid-amino acid ligase activity; chaperone binding; kinase binding; ligase activity; metal ion binding; protein binding; protein kinase binding; ubiquitin protein ligase binding; ubiquitin-protein ligase activity; zinc ion binding;

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