

Recombinant Human LRRK2 protein, His-tagged

Cat. No. LRRK2-1553H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LRRK2 aa. (Phe1479~Pro1729 (Accession # Q5S007)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Phe1479~Pro1729
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.0kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and preservative.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	7.8

GENE INFORMATION

Gene Name	LRRK2 leucine rich repeat kinase 2 [Homo sapiens (human)]
Official Symbol	LRRK2
Synonyms	LRRK2; leucine rich repeat kinase 2; PARK8; RIPK7; ROCO2; AURA17; DARDARIN; leucine-rich repeat serine/threonine-protein kinase 2; augmented in rheumatoid arthritis 17
Gene ID	120892
mRNA Refseq	NM_198578.3
Protein Refseq	NP_940980.3

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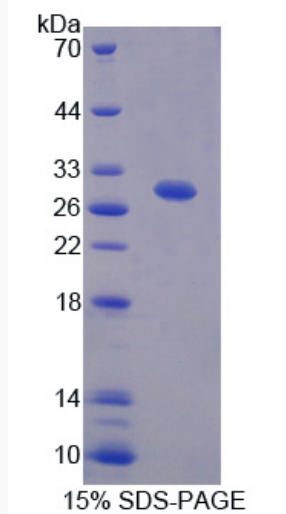
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UniProt ID

Q5S007

SDS-PAGE

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