

## Product datasheet for RC216373

### LRRK2 (NM\_198578) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LRRK2 (NM_198578) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRRK2
Synonyms:	AURA17; DARDARIN; PARK8; RIPK7; ROCO2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216373 representing NM_198578. Blue=ORF Red=Cloning site Green=Tag(s)

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**Protein Sequence:** >Peptide sequence encoded by RC216373  
 Blue=ORF Red=Cloning site Green=Tag(s)

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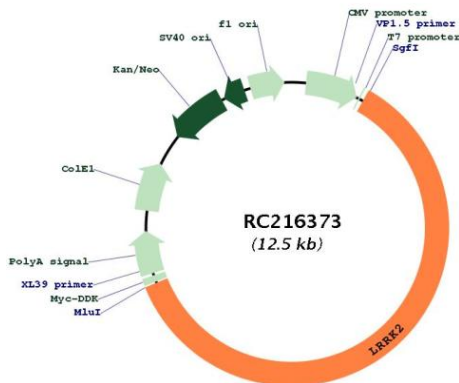
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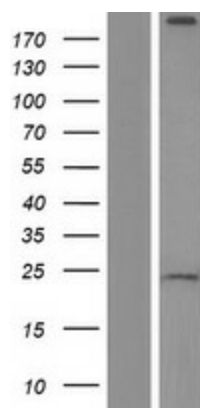
**RefSeq ORF:** 7584 bp  
**Locus ID:** 120892  
**UniProt ID:** [Q5S007](#)  
**Cytogenetics:** 12q12  
**Protein Families:** Druggable Genome, Protein Kinase  
**Protein Pathways:** Parkinson's disease  
**MW:** 286.1 kDa

**Gene Summary:** 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. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RC216373



Western blot validation of overexpression lysate (Cat# [LY404831]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216373 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).