

## Recombinant Human PARK7

**Cat. No.** PARK7-30783TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human PARK7/DJ1 expressed in <i>Saccharomyces cerevisiae</i> ; amino acids 1-189; 189 amino acids, MWt 19.9 kDa. Protein is tagged with 26 kDa proprietary tag.
<b>Species</b>	Human
<b>ProteinLength</b>	1-189 a.a.
<b>Description</b>	The product of this gene belongs to the peptidase C56 family of proteins. It acts as a positive regulator of androgen receptor-dependent transcription. It may also function as a redox-sensitive chaperone, as a sensor for oxidative stress, and it apparently protects neurons against oxidative stress and cell death. Defects in this gene are the cause of autosomal recessive early-onset Parkinson disease 7. Two transcript variants encoding the same protein have been identified for this gene.
<b>Tissue specificity</b>	Highly expressed in pancreas, kidney, skeletal muscle, liver, testis and heart. Detected at slightly lower levels in placenta and brain. Detected in astrocytes, Sertoli cells, spermatogonia, spermatids and spermatozoa.
<b>Biological activity</b>	This protein contains a proprietary tag (26 kDa) and the whole proteins MW is around 45KD.
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE

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<b>Storage buffer</b>	Preservative: None Constituents: 30% Glycerol, 0.5% Triton-X-100, 50mM HEPES, 30mM Glutathione, 100mM Sodium chloride, 1mM DTT, pH 7.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	MASKRALVILAKGAEEMETVIPVDVMRRAGIKVTVAGLAG KDPVQC SRD VVICPDAS LEDAKKEG PYDVV VLPGGNLG AQLNSESAAVKEILKEQENRKGLIAAICAGPTALLA HE IGFGSKVTTHPLAKDKMMNGGHYTYSEN RV EKDGLILTSR GPGTSFEFALAIVE ALNGKEVAAQVKAPLV LKD
<b>Sequence Similarities</b>	Belongs to the peptidase C56 family.
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	PARK7 parkinson protein 7 [ Homo sapiens ]
<b>Official Symbol</b>	PARK7
<b>Synonyms</b>	PARK7; parkinson protein 7; Parkinson disease (autosomal recessive, early onset) 7; protein DJ-1; DJ 1; DJ1;
<b>Gene ID</b>	11315
<b>mRNA Refseq</b>	NM_001123377
<b>Protein Refseq</b>	NP_001116849
<b>MIM</b>	602533

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<b>Uniprot ID</b>	Q99497
<b>Chromosome Location</b>	1p36.23
<b>Pathway</b>	Alpha-synuclein signaling, organism-specific biosystem; Parkinsons disease, organism-specific biosystem;
<b>Function</b>	mRNA binding; peptidase activity; peroxidase activity; peroxiredoxin activity; protein binding;

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