

# Recombinant Human DJ-1/PARK7 Protein

Catalog No.: RP00042

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	11315	Q99497

### Tags

No tag

### Synonyms

DJ-1;DJ1;GATD2;HEL-S-67p;PARK7

## Product Information

Source	Purification
<i>E. coli</i>	≥ 90 % as determined by SDS-PAGE.

Calculated MW	Observed MW
19.89 kDa	25 kDa

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of 20mM Tris, 150mM NaCl, pH 8.0. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Background

This protein 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.

## Basic Information

### Description

Recombinant Human DJ-1/PARK7 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Asp189) of human PARK7/DJ-1 (Accession #NP\_001116849.1).

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

## Contact

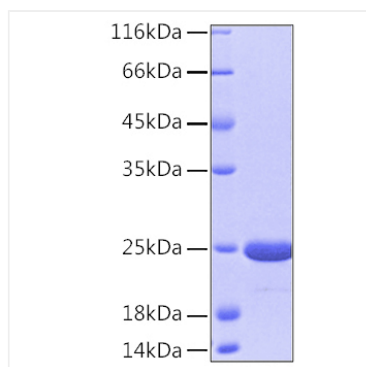
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## Validation Data

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Recombinant Human DJ-1/PARK7 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.