

Recombinant Human DJ-1/PARK7 Protein

Catalog No.: RP00042 **Recombinant**

Sequence Information

Species Human **Gene ID** 11315 **Swiss Prot** Q99497

Tags

No tag

Synonyms

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

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.

Product Information

Source

E. coli

Purification

≥ 90 % as determined by SDS-PAGE.

Calculated MW

19.89 kDa

Observed MW

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

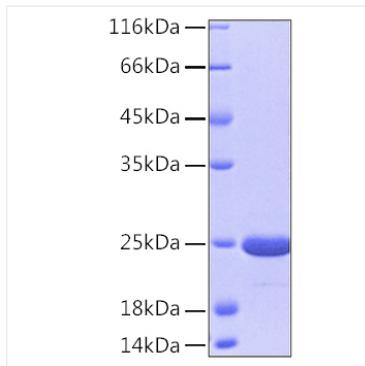
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot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

Contact

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Validation Data



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