

# Recombinant mouse DJ-1/PARK7 protein

Catalog Number: ATGP3151

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

1-189aa

**UniProt No.**

Q99LX0

**NCBI Accession No.**

NP\_065594

**Alternative Names**

Parkinson disease protein 7 homolog, Parkinson disease autosomal recessive early onset 7, Maillard deglycase, Parkinsonism-associated deglycase, Protein DJ-1, Protein/nucleic acid deglycase DJ-1

## PRODUCT SPECIFICATION

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**Molecular Weight**

22.4 kDa (212aa) confirmed by MALDI-TOF

**Concentration**

0.5mg/ml (determined by absorbance at 280nm)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol,1mM DTT

**Purity**

&gt; 90% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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**Description**

Park7 also known as protein DJ-1 belongs to the peptidase C56 family of proteins. It acts as a positive regulator of androgen receptor-dependent transcription. Play an important role in cell protection against oxidative stress and cell death acting as oxidative stress sensor and redox-sensitive chaperone and protease. Recombinant mouse Park7, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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### Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMASKRAL VILAKGAEEM ETVIPVDVMR RAGIKVTVAG LAGKDPVQCS RDVMICPDTS  
LEDAKTQGPY DVVVLPGGNL GAQNLSESPM VKEILKEQES RKGLIAAICA GPTALLAHEV GFGCKVTTHP LAKDKMMNGS  
HYSYSESRVE KDGLILTSRG PGTSFEFALA IVEALVGKDM ANQVKAPLVL KD

### General References

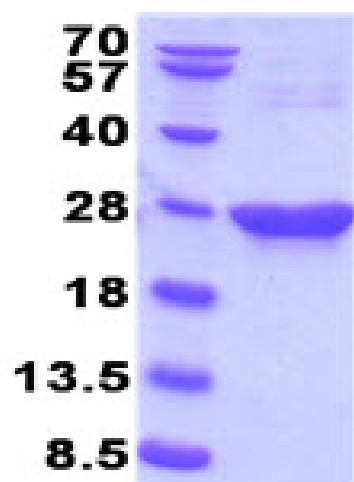
Taira T., et al (2004). EMBO Rep. 5(2):213-8.  
Kim R.H., et al (2005). Proc. Natl. Acad. Sci. U.S.A. 102(14):5215-20.

## DATA

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### SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)