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Recombinant mouse DJ-1/PARK7 protein

Catalog Number: ATGP3151

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-189aa

UniProt No.

099LX0

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

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

> 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

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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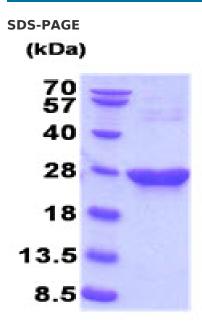
Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH 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



15% SDS-PAGE (3ug)

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

