Recombinant mouse DJ-1/PARK7 protein

Catalog Number: ATGP3151

PRODUCT INFORMATION

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

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

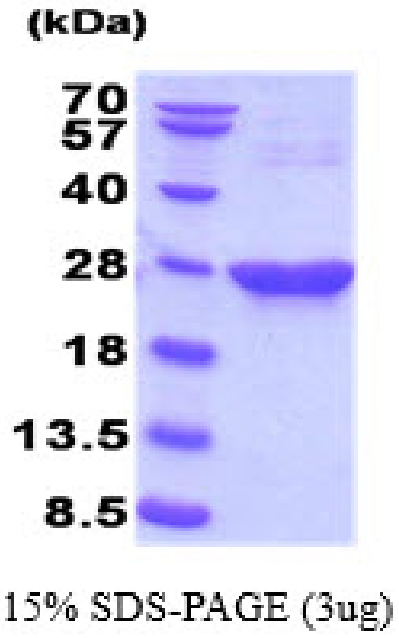
MGSSHHHHHH SSGLVPRGSH MGSMASKRAL VILAKGAEEM ETVIPVDVMR RAGIKVTVAG LAGKDPVQCS RDVMICPDTS LEDAKTQGPY DVVVLPGGNL GAQNLSESPM VKEILKEQES RKGLIAAICA GPTALLAHEV GFGCKVTTHP LAKDKMMNGS HYSYSESRVE KDGLILTSRG PGTSFEFALA IVEALVGKDM ANQVKAPLVL KD

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

SDS-PAGE



15% SDS-PAGE (3ug)

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