

Recombinant human DJ-1/PARK7 protein

Catalog Number: PRK0601

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-189aa

UniProt No.

Q99497

NCBI Accession No.

NP_009193.2

Alternative Names

Parkinson disease protein 7, Parkinsonism associated deglycase, parkinson protein 7, Parkinson disease autosomal recessive early onset 7, Maillard deglycase, Oncogene DJ1, Protein DJ-1, DJ-1, DJ1, GATD2, Protein/nucleic acid deglycase DJ-1

PRODUCT SPECIFICATION

Molecular Weight

24 kDa (225aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol

Purity

> 95% 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

The DJ-1 is a ubiquitously expressed protein involved in various cellular processes including spermatogenesis and fertilization, cancer, RNA-binding, androgen-receptor signaling and oxidative stress. Mutations in the DJ-1 are the cause of autosomal recessive early-onset Parkinson's disease 7 (Park7). Recombinant human DJ-1, 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

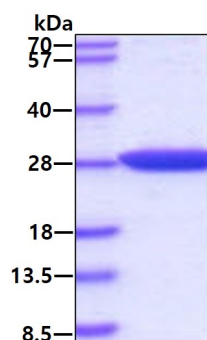
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VAGLAGKDPV QCSRDVVICP DASLEDASSE GPYDVVVLPV GNLGAQNLSE SAAVKEILKE QENRKGLIAA ICAGPTALLA
HEIGFGSKVT THPLAKDKMM NGGHYTYSEN RVEKDGLILT SRGPGTSFEF ALAIVEALNG KEVAAQVKAP LVLKD

General References

Choi J., et al. (2006) J. Biol Chem. 281(16):10816-24.
Maraganore DM., et al. (2004) Neurology. 63(3):550-3.

DATA

SDS-PAGE



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