

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

<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS>MASK RALVILAKGA EEMETVIPVD VMRRAGIKVT
VAGLAGKDPV QCSRDVVICP DASLEDASSE GPYDVVVLP GNLGAQNLSE SAAVKEILKE QENRKGLIAA ICAGPTALLA
HEIGFGSKVT THPLAKDKMM NGGHYTYSEN RVEKDGLILT SRGPGTSFEF ALAIVEALNG KEVAAQVKAP LVLKD

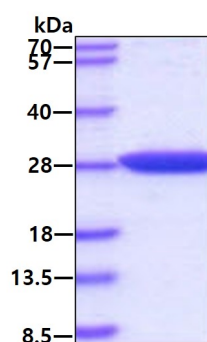
General References

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.