

Recombinant Human PARK7, His-tagged

Cat. No. PARK7-114H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Parkinson disease (autosomal recessive, early onset) 7 (His-Tagged) produced in <i>E. Coli</i> is a single, non-glycosylated polypeptide chain. The protein contains 225 amino acids and has a molecular mass of 24 kDa.
Species	Human
Source	E.coli
ProteinLength	1-189 aa
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).
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMASK RALVILAKGA EEMETVIPVD VMRRAGIKVT VAGLAGKDPV QCSRDVVICP DASLEDAKKE GPYDVVVLPV GNLGAQNLSE SAAVKEILKE QENRKGLIAA ICAGPTALLA HEIGFGSKVT THPLAKDKMM NGGHYTYSEN RVEKDGLILT SRGPGTSFEF ALAIVEALNG KEVAAQVKAP LVLKD.
Physical Appearance	Sterile Filtered colorless solution.
Formulation	The protein solution (1mg/ml) contains 20mM Tris-HCl Ph-8 and 20% glycerol.

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Purity Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Stability DJ-1 although stable 14°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

GENE INFORMATION

Gene Name [PARK7 Parkinson disease \(autosomal recessive, early onset\) 7 \[Homo sapiens \]](#)

Synonyms PARK7; Parkinson disease (autosomal recessive, early onset) 7; DJ1; DJ-1; FLJ27376; FLJ34360; FLJ92274; Parkinson disease protein 7; oncogene DJ1; oncogene DJ1; protein DJ-1; OTTHUMP00000001350; OTTHUMP00000001351; OTTHUMP00000001348; OTTHUMP00000001349

Gene ID [11315](#)

mRNA Refseq [NM_001123377](#)

Protein Refseq [NP_001116849](#)

UniProt ID [Q99497](#)

Chromosome Location 1p36

MIM [602533](#)

Pathway Parkinson"s disease

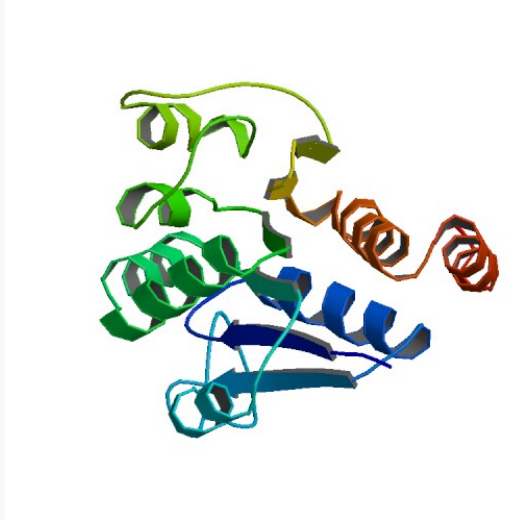
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Function peroxiredoxin activity; protein binding

PDB rendering based on 1j42.



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