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*E.Coli*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 GPYDVVVLPG GNLGAQNLSE SAAVKEILKE QENRKGLIAA ICAGPTALLA HEIGFGSKVT THPLAKDKMM NGGHYTYSEN RVEKDGLILT SRGPGTSFEF ALAIVEALNG KEVAAQVKAP LVLKD.
Physical Appearance	Sterile Filtered colorless solution.
Formulation	The protein solution (1mg/ml) cotains 20mM Tris-HCl Ph-8 and 20% glycerol.

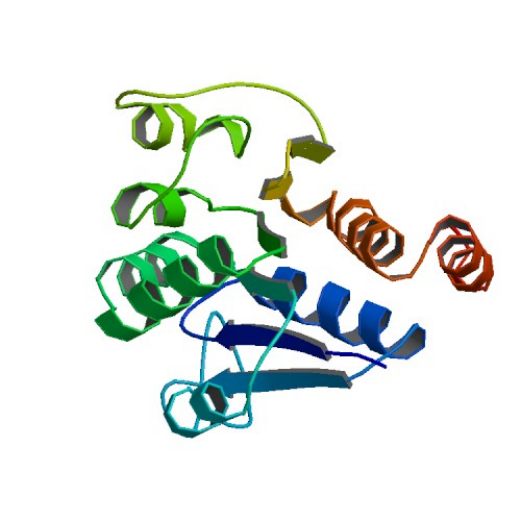
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Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Stability	DJ-1 although stable 14°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (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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