# Active Recombinant Human PARK7, GST-tagged

**Cat. No.** PARK7-116H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human PARK7 fused with GST-tag at N-terminal, was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **Description** | The product of this gene belongs to the peptidase C56 family of proteins. It acts as a positive regulator of androgen receptor-dependent transcription. It may also function as a redox-sensitive chaperone, as a sensor for oxidative stress, and it apparently protects neurons against oxidative stress and cell death. Defects in this gene are the cause of autosomal recessive early-onset Parkinson disease 7. Two transcript variants encoding the same protein have been identified for this gene. |
| **Molecular Mass** | 47.3 kDa |
| **Activity** | GST DJ-1 was assayed for protease activity. |
| **Purity** | Greater than 95%, as determined by SDS-PAGE. |
| **Applications** | ELISA, WB, Protease Activity Determination. |
| **Storage** | Purified GST-DJ-1 is supplied as sterile and frozen at 1 mg/ml in 50 mM Tris-Cl/150mM NaCl, pH=8.0. Store at 2-4ºC for immediate use within 1-2 weeks or at –80ºC for up to 12 months. Avoid repeated freeze-thaw cycles. |

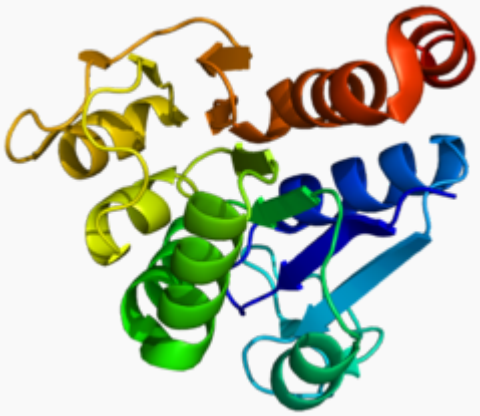
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| **OfficialSymbol** | PARK7 |

## GENE INFORMATION

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| **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 |
| **MIM** | 602533 |
| **UniProt ID** | Q99497 |
| **Chromosome Location** | 1p36.23 |
| **Pathway** | Parkinson's disease; Alpha-synuclein signaling |
| **Function** | peroxiredoxin activity; protein binding |

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| **PDB rendering basedon 1j42.** |  |

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