

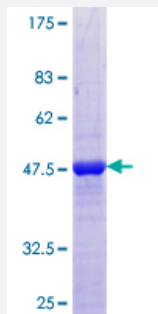
Full-Length

## PARK7 (Human) Recombinant Protein (P01)

Catalog # H00011315-P01

Size 25 ug, 10 ug

### Applications



### Specification

|                                      |                                                                                                                                                                                                     |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human PARK7 full-length ORF ( NP_009193.2, 1 a.a. - 189 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                       |
| <b>Sequence</b>                      | MASKRALVILAKGAEEMETVIPVDVMRRAGIKVTVAGLAGKDPVQCSRDVVICPDASLEDAKKEG<br>PYDVVVLPGGNLGAQNLSESAAVKEILKEQENRKGLIAAICAGPTALLAHEIGFGSKVTTHPLAKDK<br>MMNGGHYTYSENVEKDGLILTSRPGTSFEFALAIVEALNGKEVAAQVKAPLVLKD |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                                                                                                               |
| <b>Theoretical MW (kDa)</b>          | 46.3                                                                                                                                                                                                |
| <b>Interspecies Antigen Sequence</b> | Mouse (91); Rat (91)                                                                                                                                                                                |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                                                                                                               |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                                                                                                                   |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                                                                                                         |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                            |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                                                                                     |

## Note

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — PARK7

Entrez GeneID [11315](#)

GeneBank Accession# [NM\\_007262.3](#)

Protein Accession# [NP\\_009193.2](#)

Gene Name PARK7

Gene Alias DJ-1, DJ1, FLJ27376, FLJ34360, FLJ92274

Gene Description Parkinson disease (autosomal recessive, early onset) 7

Omim ID [602533](#) [606324](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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. [provided by RefSeq]

**Other Designations** OTTHUMP00000001348|OTTHUMP00000001349|OTTHUMP00000001350|OTTHUMP00000001351|Parkinson disease protein 7|oncogene DJ1|protein DJ-1

## Publication Reference

- [Flexible platinum electrodes as electrochemical sensor and immunosensor for Parkinson's disease biomarkers.](#)

Gabriela C Mauruto de Oliveira, Jefferson Henrique de Souza Carvalho, Laís Canniatti Brazaca, Nirton Cristi Silva Vieira, Bruno Campos Janegitz.

Biosensors & Bioelectronics 2020 Mar; 152:112016.

Application: Func, Synthetic urine samples

- [Improved detection of prostate cancer using a magneto-nanosensor assay for serum circulating autoantibodies.](#)

Xu L, Lee JR, Hao S, Ling XB, Brooks JD, Wang SX, Gambhir SS.

PLoS One 2019 Aug; 14(8):e0221051.

Application: Func, Human, As a standard, Human serum

## Disease

- [Alzheimer disease](#)
- [Chromosome Disorders](#)
- [Dementia](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Lewy Body Disease](#)
- [Parkinson disease](#)
- [Parkinsonian Disorders](#)