

## Product datasheet for **TP301645**

### **PARK7 (NM\_007262) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human Parkinson disease (autosomal recessive, early onset) 7 (PARK7), transcript variant 1, 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC201645 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MASKRALVILAKGAEEMETVIPVDVMRRAGIKVTVAGLAGKDPVQCSRDWICPDASLEDAKKEGPDYW  
VLPGGNLGAQNLSESAAVKEILKEQENRKGLIAAICAGPTALLAHEIGFGSKVTTHPLAKDKMMNGGHYT  
YSENRVEKDGLILTSRPGTSEFALAIVEALNGKEVAAQVKAPLVLKD

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 19.7 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_009193](#)

**Locus ID:** 11315

**UniProt ID:** [Q99497](#)



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RefSeq Size: 979

Cytogenetics: 1p36.23

RefSeq ORF: 567

Synonyms: DJ-1; DJ1; GATD2; HEL-S-67p

**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, Jul 2008]

**Protein Families:** Druggable Genome, Protease

**Protein Pathways:** Parkinson's disease