

Datasheet for 009-001-S79S**PARK7 (DJ-1) protein-HIS Epitope****Overview**

Description:	PARK7(DJ-1) recombinant protein-HIS Epitope - 009-001-S79S
Item No.:	009-001-S79S
Size:	20 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	PARK7 or parkinson protein 7 belongs to the peptidase C56 family of proteins which acts as a positive regulator of androgen receptor-dependent transcription. PARK7 also functions as a redox-sensitive chaperone, as a sensor for oxidative stress, and it apparently protects neurons against oxidative stress and cell death. PARK7 mutations that impair transcriptional co-activator function can render dopaminergic neurons vulnerable to apoptosis and may contribute to the pathogenesis of Parkinson disease (1). PARK7 is an atypical peroxiredoxin-like peroxidase that scavenges hydrogen peroxide through oxidation of cys106 (2). PARK7 Protein is ideal for investigators involved in Signaling Proteins, Cell Stress & Chaperone Proteins, Apoptosis/Autophagy, Cancer, Cell Cycle, and Neurobiology research.
Synonyms:	PARK7, Protien DJ-1, DJ1
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	PARK7
Purity/Specificity:	Recombinant human PARK7 (DJ-1) (19-end) was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >85% by densitometry.
Relevant Links:	NCBI - NM_007262

Application Details

Application Note:	PARK7 Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. PARK7 Protein is suitable for use in Western Blot. Expect a band approximately ~22kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.2 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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