Recombinant Mouse Park7 Protein, His-tagged

Cat. No. Park7-1900M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Park7 Protein (Ala2-Asp189) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ala2-Asp189
Description	Enables oxygen sensor activity and peroxiredoxin activity. Involved in several processes, including detoxification of inorganic compound; negative regulation of intrinsic apoptotic signaling pathway; and negative regulation of protein metabolic process. Acts upstream of or within several processes, including dopamine uptake involved in synaptic transmission; membrane hyperpolarization; and positive regulation of oxidative stress-induced intrinsic apoptotic signaling pathway. Located in several cellular components, including cell body; endoplasmic reticulum; and mitochondrion. Is expressed in central nervous system and retina. Used to study Parkinson's disease 7. Human ortholog(s) of this gene implicated in Parkinson's disease; Parkinson's disease 7; Parkinsonism; cerebral infarction; and middle cerebral artery infarction. Orthologous to human PARK7 (Parkinsonism associated deglycase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.5 kDa

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	Accurate Molecular Mass: 24 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Park7 Parkinson disease (autosomal recessive, early onset) 7 [Mus musculus (house mouse)]
Official Symbol	Park7
Synonyms	PARK7; Parkinson disease (autosomal recessive, early onset) 7; protein DJ-1; parkinson disease protein 7 homolog; RNA-binding protein regulatory subunit; Dj1; DJ-1;
Gene ID	57320

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mRNA Refseq	NM_020569
Protein Refseq	NP_065594
UniProt ID	Q99LX0

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