Recombinant Rat G6pd protein, His-tagged

Cat. No. G6pd-712R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat G6pd aa. (Met1~Leu515 (Accession # P05370)) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Met1~Leu515
Description	Catalyzes the first rate-limiting step in the pentose phosphate pathway; may mediate peroxynitrite functions in neuroprotection against nitric oxide-mediated apoptosis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 60.9kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.1.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

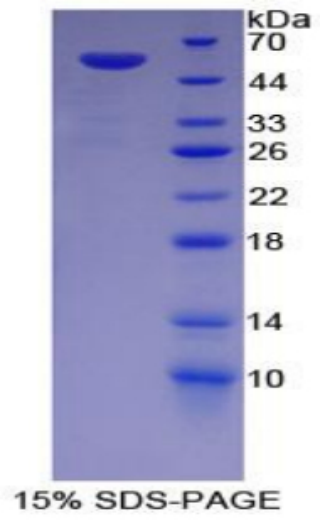
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	accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	G6pd glucose-6-phosphate dehydrogenase [Rattus norvegicus (Norway rat)]
Official Symbol	G6pd
Synonyms	G6pd; glucose-6-phosphate dehydrogenase; G6pdx; glucose-6-phosphate 1-dehydrogenase; glucose-6-phosphate dehydrogenase X-linked
Gene ID	24377
mRNA Refseq	NM_017006.2
Protein Refseq	NP_058702.1
UniProt ID	P05370

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SDS-PAGE	

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