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## Peroxiredoxin 5 Protein (PRDX5) (AA 53-214) (His tag)



Overview

Quantity:	50 μg	
Target:	Peroxiredoxin 5 (PRDX5)	
Protein Characteristics:	AA 53-214	
Origin:	Human	
Source:	Human Cells	
Protein Type:	Recombinant	
Purification tag / Conjugate:	This Peroxiredoxin 5 protein is labelled with His tag.	

#### **Product Details**

Purpose:	Recombinant Human Peroxiredoxin-5/PRDX5 (N-6His)	
Sequence:	HHHHHHMAPI KVGDAIPAVE VFEGEPGNKV NLAELFKGKK GVLFGVPGAF TPGCSKTHLP	
	GFVEQAEALK AKGVQVVACL SVNDAFVTGE WGRAHKAEGK VRLLADPTGA FGKETDLLLD	
	DSLVSIFGNR RLKRFSMVVQ DGIVKALNVE PDGTGLTCSL APNIISQL	
Characteristics:	Recombinant Human Peroxiredoxin-5 is produced by a mammalian expression system in	
	human cells. The target protein is expressed with sequence (Met53-Leu214) of Human	
	Peroxiredoxin 5 fused with a His tag at the N-terminus.	
Purity:	> 95 % as determined by reducing SDS-PAGE.	
Sterility:	0.2 μm filtered	
Endotoxin Level:	Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test	

### **Target Details**

Target:	Peroxiredoxin 5 (PRDX5)
Alternative Name:	Peroxiredoxin-5 (PRDX5 Products)
Molecular Weight:	17.9 kDa
UniProt:	P30044
Pathways:	Cell RedoxHomeostasis

### **Application Details**

Restrictions:	For Research Use only		
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## Handling

Format:	Lyophilized	
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 $\mu g/mL$ .	
	Dissolve the lyophilized protein in ddH2O.	
	Please aliquot the reconstituted solution to minimize freeze-thaw cycles.	
Buffer:	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.	
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.	
Storage:	4 °C/-20 °C/-80 °C	
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.	
	Reconstituted protein solution can be stored at 4-7°C for 2-7 days.	
	Aliquots of reconstituted samples are stable at < -20°C for 3 months.	