

# **Product Data Sheet**

### **Recombinant Human Peroxiredoxin 5 Protein**

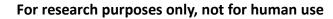
Catalog #	Source	Reactivity	Applications			
CRP2789	Human cells	Human	E, WB, SDS-PAGE, MS			
Description	Recom	ıbinant Human Pero	xiredoxin 5 Protein is produced by mammalian expression			
	system	າ and the target gen	e encoding Met53-Leu214 is expressed with a 6His tag at			
	the N-	terminus.				
Form	Lyophi	lized from a 0.2 $\mu$ m	filtered solution of PBS, pH7.4.			
Gene Symbol	PRDX5	)				
Alternative N	lames ACR1;	ACR1; Peroxiredoxin-5, mitochondrial; Alu corepressor 1; Antioxidant enzyme B166;				
	AOEB1	166; Liver tissue 2D-	page spot 71B; PLP; Peroxiredoxin V; Prx-V; Peroxisomal			
	antiox	idant enzyme; TPx t	ype VI; Thioredoxin peroxidase PMP20; Thioredoxin			
	reduct	ase				
Entrez Gene	25824	25824 (Human)				
SwissProt	P3004	4 (Human)				
Purity	Greate	er than 95% as deter	mined by reducing SDS-PAGE.			
Chemical Stru	ucture HHHH	HHHHHHMAPI KVGDAIPAVE VFEGEPGNKV NLAELFKGKK GVLFGVPGAF TPGCSKTHLP				
	GFVEC	aealk akgvqvva	CL SVNDAFVTGE WGRAHKAEGK VRLLADPTGA FGKETDLLLD			
	DSLVS	FGNR RLKRFSMVVC	) DGIVKALNVE PDGTGLTCSL APNIISQL			
Quality Cont	rol Endoto	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.				
Directions for	r Use Always	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not				
	recom	mended to reconsti	tute to a concentration less than 100 $\mu$ g/ml. Dissolve the			
	lyophi	lized protein in ddH2	2O. Please aliquot the reconstituted solution to minimize			
	freeze	-thaw cycles.				
Storage/Stab	ility Ivonhi	lized protein should	he stored at $-20^{\circ}$ C though stable at room temperature			

**Storage/Stability** Lyophilized protein should be stored at -20°C, though stable at room temperature

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC-Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb-Rabbit, S- Sheep, Z- Zebrafish

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for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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