

Specifications:

Gene:	<i>h</i> PRDX6
Accession:	NP_004896.1
Insert size:	688bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

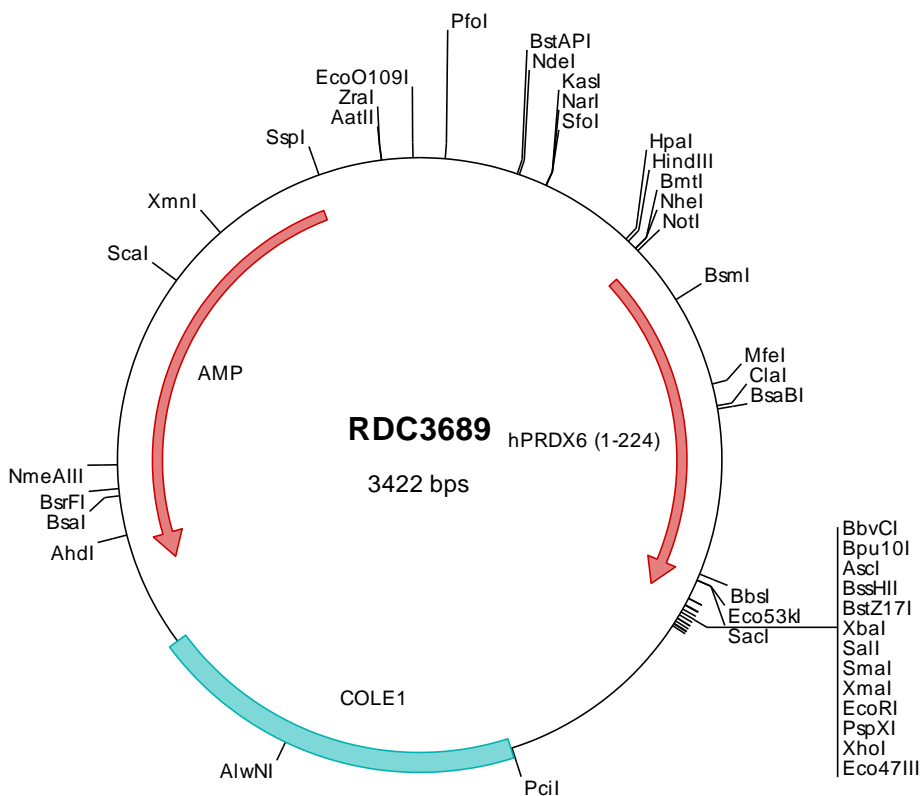
*h*Peroxiredoxin 6 cDNA Plasmid

PRDX6 peroxiredoxin 6 [*Homo sapiens* (human)]

Also known as: PRX; p29; AOP2; 1-Cys; NSGPx; aiPLA2; LPCAT-5; HEL-S-128m

Summary:

PRDX6 is a member of the thiol-specific antioxidant protein family. It is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H₂O₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. PRDX6 may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3689 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
101 tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attgccatt caggctcgcg aactgttggg aagggcgatc ggtcgggcc tcttcctat
301 tacgccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
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3401 cgtatcacga ggcctcttgc tc

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> RDC3689 Translated Insert Sequence

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101 piiddrnrel aillgmlpda ekdekgmpvt arvfvfvgpd kklklsilyp attgrnfdci lrvvislqlt aekrvatpvd wkdgdsvmvl ptipeeeakk
201 lfpkgvftke lpsgkylry tppq

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