

# Recombinant *S. cerevisiae* GRX2 protein ab63232

描述	
产品名称	重组 <i>S. cerevisiae</i> GRX2蛋白
纯度	> 90 % SDS-PAGE.
表达系统	<i>Saccharomyces cerevisiae</i>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	<i>Saccharomyces cerevisiae</i>
描述	重组 <i>S. cerevisiae</i> GRX2蛋白

技术指标	
Our <b>Abpromise guarantee</b> covers the use of <b>ab63232</b> in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	Functional Studies
形式	Liquid
补充说明	This product was previously labelled as Glutaredoxin 2

制备和贮存	
稳定性和存储	Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% Urea, 0.395% Tris HCl, 0.0292% EDTA, 50% Glycerol (glycerin, glycerine)

常规信息	
功能	Glutathione-dependent oxidoreductase that facilitates the maintenance of mitochondrial redox homeostasis upon induction of apoptosis by oxidative stress. Involved in response to hydrogen peroxide and regulation of apoptosis caused by oxidative stress. Acts as a very efficient catalyst

of monothiol reactions because of its high affinity for protein glutathione-mixed disulfides. Can receive electrons not only from glutathione (GSH), but also from thioredoxin reductase supporting both monothiol and dithiol reactions. Efficiently catalyzes both glutathionylation and deglutathionylation of mitochondrial complex I, which in turn regulates the superoxide production by the complex. Overexpression decreases the susceptibility to apoptosis and prevents loss of cardiolipin and cytochrome c release.

**组织特异性**

Widely expressed. Expressed in brain, heart, skeletal muscle, colon, thymus, spleen, kidney, liver, small intestine, placenta and lung. Not expressed in peripheral blood leukocytes.

**序列相似性**

Belongs to the glutaredoxin family.  
Contains 1 glutaredoxin domain.

**细胞定位**

Mitochondrion and Nucleus.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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