

Recombinant *S. cerevisiae* GRX2 protein ab63232

製品の詳細

製品名	Recombinant <i>S. cerevisiae</i> GRX2 protein
精製度	> 90 % SDS-PAGE.
発現系	<i>Saccharomyces cerevisiae</i>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	<i>Saccharomyces cerevisiae</i>
製品の詳細	Recombinant <i>S. cerevisiae</i> GRX2 protein

特性

Our **Abpromise guarantee** covers the use of **ab63232** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Functional Studies
製品の状態	Liquid
備考	This product was previously labelled as Glutaredoxin 2

前処理および保存

保存方法および安定性	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)
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関連情報

機能	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
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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.

組織特異性

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

配列類似性

Belongs to the glutaredoxin family.
Contains 1 glutaredoxin domain.

細胞内局在

Mitochondrion and Nucleus.

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

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