

## Product datasheet

# Recombinant human SIRT3 protein (Tagged) ab54333

### 1 References

#### 製品の概要

製品名	Recombinant human SIRT3 protein (Tagged)
タンパク質長	Protein fragment

#### 製品の詳細

由来	Recombinant
由来	Escherichia coli
アミノ酸配列	
アクセッション番号	<a href="#">Q9NTG7</a>
生物種	Human
分子量	59 kDa
領域	102 to 399
タグ	GST tag N-Terminus

#### 特性

Our [Abpromise guarantee](#) covers the use of **ab54333** in the following tested applications.

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

生理活性	Specific Activity: 6 U/ug. One Unit =1 pmol/min, Assay condition: 25 mM Tris/Cl, pH8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM MgCl <sub>2</sub> , and 0.1 mg/ml BSA, 30 uM BPS HDAC substrate , 200 uM NAD <sup>+</sup> , and 20 ng/ul Sirtuin 3. Incubation condition: 30 min at 30°C.
アプリケーション	SDS-PAGE Functional Studies
精製度	> 90 % SDS-PAGE.
製品の状態	Liquid

#### 前処理および保存

保存方法および安定性	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.
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Preservative: None

Constituents: 10% Glycerol, 50mM Tris HCl, 20mM Glutathione, 138mM Sodium chloride, pH 8.0

This product is an active protein and may elicit a biological response in vivo, handle with caution.

## 関連情報

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機能	NAD-dependent protein deacetylase. Activates or deactivates mitochondrial target proteins by deacetylating key lysine residues. Known targets include ACSS1, IDH, GDH, SOD2, PDHA1, LCAD, SDHA and the ATP synthase subunit ATP5O. Contributes to the regulation of the cellular energy metabolism. Important for regulating tissue-specific ATP levels.
組織特異性	Widely expressed.
配列類似性	Belongs to the sirtuin family. Class I subfamily. Contains 1 deacetylase sirtuin-type domain.
翻訳後修飾	Processed by mitochondrial processing peptidase (MPP) to give a 28 kDa product. Such processing is probably essential for its enzymatic activity.
細胞内局在	Mitochondrion matrix.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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