

# Recombinant Human SOD2/MnSOD protein ab84639

**1 References** [画像数 1](#)

### 製品の詳細

|             |                                      |
|-------------|--------------------------------------|
| 製品名         | Recombinant Human SOD2/MnSOD protein |
| 精製度         | > 90 % Densitometry.                 |
| 発現系         | Escherichia coli                     |
| タンパク質長      | Full length protein                  |
| Animal free | No                                   |
| 由来          | Recombinant                          |
| 生物種         | Human                                |
| 領域          | 1 to 222                             |
| タグ          | GST tag N-Terminus                   |

### 特性

Our **Abpromise guarantee** covers the use of **ab84639** 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 | Western blot |
|          | 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 and store at -80°C. Avoid freeze / thaw cycles.<br>pH: 7.50<br>Constituents: 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride |
|------------|---|

### 関連情報

|    |  |
|----|--|
| 機能 | Destroys superoxide anion radicals which are normally produced within the cells and which are toxic to biological systems. |
|----|--|

## 関連疾患

Genetic variation in SOD2 is associated with susceptibility to microvascular complications of diabetes type 6 (MVCD6) [MIM:612634]. These are pathological conditions that develop in numerous tissues and organs as a consequence of diabetes mellitus. They include diabetic retinopathy, diabetic nephropathy leading to end-stage renal disease, and diabetic neuropathy. Diabetic retinopathy remains the major cause of new-onset blindness among diabetic adults. It is characterized by vascular permeability and increased tissue ischemia and angiogenesis.

## 配列類似性

Belongs to the iron/manganese superoxide dismutase family.

## 翻訳後修飾

Nitrated under oxidative stress. Nitration coupled with oxidation inhibits the catalytic activity.

## 細胞内局在

Mitochondrion matrix.

## 画像



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