

Recombinant E. coli Glucose 6 Phosphate Dehydrogenase protein ab87414

画像数 1

製品の詳細

製品名	Recombinant E. coli Glucose 6 Phosphate Dehydrogenase protein		
生理活性	Specific activity is 8-10 units/ml obtained by measuring the increase of NADPH in absorbance at 340 nm resulting from the reduction of NAD or NADP. One unit oxidizes 1.0 umole D-glucose-6-phosphate to 6-phospho-D-gluconate per min in the presence of beta-NADP at pH 7.4 at 25C. Specific activity is 8-10 units/ml obtained by measuring the increase of NADPH in absorbance at 340 nm resulting from the reduction of NAD or NADP. One unit oxidizes 1.0 umole D-glucose-6-phosphate to 6-phospho-D-gluconate per min in the presence of beta-NADP at pH 7.4 at 25C.		
精製度	> 90 % SDS-PAGE. Purified by conventional chromatography techniques.		
発現系	Escherichia coli		
タンパク質長	Full length protein		
Animal free	No		
由来	Recombinant		
生物種	Escherichia coli		
配列	MAVTQTAQAC DLVIFGAKGD LARRKLLPSL YQLEKAGQLN PDTRIIGVGR ADWDKAAYTK VVREALETFM KETID EGLWD TLSARLDFCN LDVNDTAAFS RLGAMLDQKN RITINYFAMP PSTFGAICKG LGEAKLNAKP ARVVM EKPLG TSLATSQEIN DQVG EYFEEC QVYRIDHYLG KETVLNLLAL RFANSLFVNN WDNRTIDHVE ITVAEEVGIE GRWGYFDKAG QMRDMIQ NHL LQILCMIAMS PPSDLSADSI RDEKVKVLKS LRRIDRSNVR EKTVRGQYTA GFAQGKKVPG YLEEEGANKS SNTETFVAIR V DIDNWRWAG VPFYLR TGKR LPTKCSEVVV YFKTPELNLF KESWQDLPQN KLTIRLQPDE GVDIQVLNKV PGLDHKHN LQ ITKLDLSYSE TFNQTHLADA YERLLL ETMR GIQALFVRRD EV EEA WKWVD SITEAWAMD N DAPKPYQAGT WGPVASVAMI TRDGRSWNEF E		

## 特性

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Our **Abpromise guarantee** covers the use of **ab87414** 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

SDS-PAGE

Functional Studies

### 製品の状態

Liquid

## 前処理および保存

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### 保存方法および安定性

Shipped at 4°C. Store at +4°C.

pH: 7.4

Constituents: 0.975% MES, 0.00174% PMSF, 0.0077% DTT, 0.0584% EDTA, 10% Glycerol (glycerin, glycerine)

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

Catalyzes the rate-limiting step of the oxidative pentose-phosphate pathway, which represents a route for the dissimilation of carbohydrates besides glycolysis. The main function of this enzyme is to provide reducing power (NADPH) and pentose phosphates for fatty acid and nucleic acid synthesis.

### 組織特異性

Isoform Long is found in lymphoblasts, granulocytes and sperm.

### パスウェイ

Carbohydrate degradation; pentose phosphate pathway; D-ribulose 5-phosphate from D-glucose 6-phosphate (oxidative stage): step 1/3.

### 関連疾患

Anemia, non-spherocytic hemolytic, due to G6PD deficiency

### 配列類似性

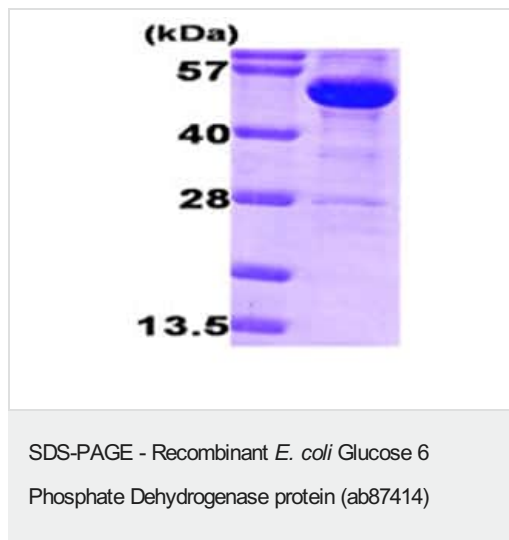
Belongs to the glucose-6-phosphate dehydrogenase family.

### 翻訳後修飾

Acetylated by ELP3 at Lys-403; acetylation inhibits its homodimerization and enzyme activity. Deacetylated by SIRT2 at Lys-403; deacetylation stimulates its enzyme activity.

## 画像

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ab87414 on 15% SDS-PAGE (4μg)

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

### Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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