

Product datasheet

Recombinant *E. coli* Thermosensitive gluconokinase protein ab208297

1 Image

Description

|                                   |   |
|-----------------------------------|---|
| <b>Product name</b>               | Recombinant <i>E. coli</i> Thermosensitive gluconokinase protein  |
| <b>Biological activity</b>        | Specific activity is > 80 units/mg, in which one unit will convert 1.0 umole of D-gluconate to 6-phospho-D-gluconate per minute at pH 8.0 at 37C.   |
| <b>Purity</b>                     | > 90 % SDS-PAGE.<br>ab208297 was purified using conventional chromatography techniques.   |
| <b>Expression system</b>          | Escherichia coli  |
| <b>Accession</b>                  | <a href="#">P39208</a>  |
| <b>Protein length</b>             | Full length protein   |
| <b>Animal free</b>                | No  |
| <b>Nature</b>                     | Recombinant   |
| <b>Species</b>                    | Escherichia coli  |
| <b>Sequence</b>                   | <pre> MGSSHHHHHH SSGLVPRGSH MGSMAGESFI LMGVSGSGKT LIGSKVAALL SAKFIDGDDL HPAKNIDKMS QGIPLSDEDR LPWLERLNDA SYSLYKKNET GFIVCSSLKK QYRDILRKGS PHVHFLWLDG DYETILARMQ RRAGHFMPVA LLKSQFEALE RPQADEQDIV RIDINHDIAN VTEQCRQAVL AIRQNRICAK EGSASDQRCE                     </pre> |
| <b>Predicted molecular weight</b> | 23 kDa including tags   |
| <b>Amino acids</b>                | 1 to 187  |
| <b>Tags</b>                       | His tag N-Terminus  |

Specifications

Our [Abpromise guarantee](#) covers the use of **ab208297** in the following tested applications.

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

|                     |                    |
|---------------------|--------------------|
| <b>Applications</b> | Functional Studies |
|                     | SDS-PAGE           |
|                     | Mass Spectrometry  |

|                          |           |
|--------------------------|-----------|
| <b>Mass spectrometry</b> | MALDI-TOF |
| <b>Form</b>              | Liquid    |

## Preparation and Storage

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### Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.32% Tris HCl, 0.87% Sodium chloride, 10% Glycerol (glycerin, glycerine), 0.02% DTT

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

## General Info

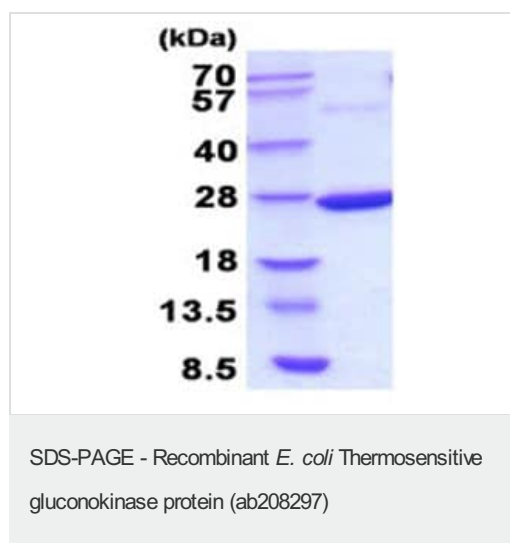
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### Relevance

D-gluconate kinase, thermosensitive, also known as idnk, D-gluconate kinase, thermosensitive, also known as idnk, is a 187 amino acid protein that belongs to the gluconokinase gntK/gntV family and catalyzes the conversion of ATP and D-gluconate to ADP and 6-phospho-D-gluconate.

## Images

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15% SDS-PAGE analysis of ab208297 (3µg).

**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
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- 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

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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