

## Product datasheet

# Recombinant E. coli Thermosensitive gluconokinase protein ab208297

[1 Image](#)

### Description

<b>Product name</b>	Recombinant E. coli 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. ab208297 was purified using conventional chromatography techniques.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P39208</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Escherichia coli
<b>Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMAGESFI LMGVSGSGKT LIGSKVAALL SAKFIDGDDL HPAKNIDKMS QGIPLSDEDR LPWLERLND SYSLYKKNET GFIVCSSLKK QYRDILRKGS PHVHFLWLDG DYETILARMQ RRAGHFMPVA LLKSQFEALE RPQADEQDIV RIDINHDIAN VTEQCRQAVL AIRQNRICAK EGSASDQRCE
<b>Predicted molecular weight</b>	23 kDa including tags
<b>Amino acids</b>	1 to 187
<b>Tags</b>	His tag N-Terminus
<b>Description</b>	Recombinant <i>E. coli</i> Thermosensitive gluconokinase protein

### 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

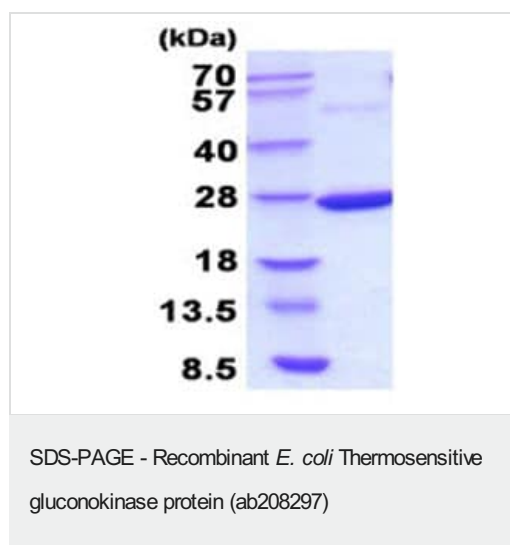
## Preparation and Storage

<b>Stability and Storage</b>	<p>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.</p> <p>pH: 8.00</p> <p>Constituents: 0.32% Tris HCl, 0.87% Sodium chloride, 10% Glycerol (glycerin, glycerine), 0.02% DTT</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
------------------------------	---

## General Info

<b>Relevance</b>	<p>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.</p>
------------------	---

## Images



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

- 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.

#### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors