

E. coli Recombinant IDNK
ECK4261, gntV, JW4225
Catalog # PBV11530r**Specification**

E. coli Recombinant IDNK - Product info

Primary Accession [P39208](#)
Calculated MW **23.4 kDa**

E. coli Recombinant IDNK - Additional Info

Gene ID **946066**

Other Names
ECK4261, gntV, JW4225

Gene Source **E. coli**
Source **E. coli**
Assay&Purity **SDS-PAGE;> 90%**
Recombinant **Yes**
Sequence **MGSSHHHHHH SSGLVPRGSH MGSMAGESFI
LMGVSGSGKT LIGSKVAALL SAKFIDGDDL
HPAKNIDKMS QGIPLSDEDR LPWLERLND
SYSLYKKNET GFIVCSSLKK QYRDILRKGS
PHVHFLWLDG DYETILARMQ RRAGHFMPVA
LLKSQFEALE RPQADEQDIV RIDINHDIAN
VTEQCRQAVL AIRQNRICAK EGSASDQRCE**

Target/Specificity
idnK

Format
Liquid

Storage
-20°C;In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

E. coli Recombinant IDNK - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

E. coli Recombinant IDNK - Images

E. coli Recombinant IDNK - Background

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. This protein is thought to play a role in gender determination, deletion of the distal portion of 9p can lead to development of male to female sex reversal, the phenotype of a female with a male X, Y genotype. Recombinant E.coli idnk protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.