

Recombinant E.coli idnK protein

Catalog Number: ATGP2833

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-187aa

UniProt No.

P39208

NCBI Accession No.

NP_418689

Alternative Names

D-gluconate kinase thermosensitive, D-gluconate kinase, thermosensitive, ECK4261, gntV, JW4225

PRODUCT SPECIFICATION

Molecular Weight

23.4 kDa (210aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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. Recombinant E. coli idnK protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGS>MAGESFI LMGVSGSGKT LIGSKVAALL SAKFIDGDDL HPAKNIDKMS

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QGIPLSDEDR LPWLERLNDA SYSLYKKNET GFIVCSSLKK QYRDILRKGS PHVHFLWLDG DYETILARMQ RRAGHFMPVA
LLKSQFEALE RPQADEQDIV RIDINHDIAN VTEQCRQAVL AIRQNRICAK EGSASDQRCE

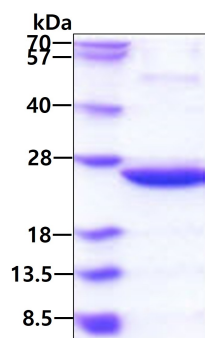
General References

Coppo P., et al. (2006) J Haematol. 134: 171-179.

Zheng X., et al. (2006) BMC cancer. 7: 262.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.