

Recombinant human IDNK gluconokinase/IDNK protein

Catalog Number: ATGP1378

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-187aa

UniProt No.

Q5T6J7

NCBI Accession No.

NP_001001551

Alternative Names

Probable gluconokinase

PRODUCT SPECIFICATION

Molecular Weight

23.1 kDa (211aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 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

C9orf103, also known as probable gluconokinase, belongs to the gluconokinase gntK/gntV family. This protein is involved in carbohydrate acid metabolism and D-gluconate degradation. Recombinant human C9orf103 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMAAPGA LLVMGVSGSG KSTVGALLAS ELGWKFYDAD DYHPEENRRK
MGKGIPLNDQ DRIPWLCNLH DILLRDVASG QRVVLACSAL KKTYRDILTQ GKDGVALKCE ESGKEAKQAE MQLLVVHLSG

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SFEVISGRLL KREGHFMPPE LLQSQFETLE PPAAPENFIQ ISVDKNVSEI IATIMETLKM K

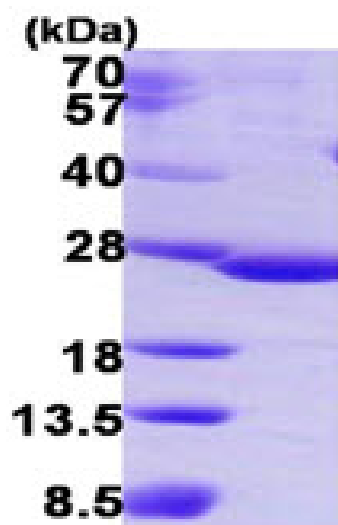
General References

Humphray S.J., et al. (2004) Nature 429: 369-374.

Fernandez-L A. et al. (2007) Hum. Mol. Genet. 16:1515-1533.

DATA

SDS-PAGE



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

12% SDS-PAGE (3ug)