

Product datasheet for AR51994PU-S

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Idnk (1-187, His-tag) Escherichia coli Protein

Product data:

Product Type: Recombinant Proteins

Description: Idnk (1-187, His-tag) e. coli protein, 20 μg

Species: Escherichia coli

Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSMAGESFI LMGVSGSGKT LIGSKVAALL SAKFIDGDDL HPAKNIDKMS QGIPLSDEDR LPWLERLNDA SYSLYKKNET GFIVCSSLKK QYRDILRKGS PHVHFLWLDG DYETILARMQ RRAGHFMPVA LLKSQFEALE RPQADEQDIV RIDINHDIAN

VTEQCRQAVL AIRQNRICAK EGSASDQRCE

Tag: His-tag
Predicted MW: 23.4 kDa
Concentration: lot specific

Purity: >90% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM

DTT

Bioactivity: Specific: 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.

Preparation: Liquid purified protein

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Summary: D-glucote kise, thermosensitive, also known as idnk, D-glucote kise, thermosensitive, also

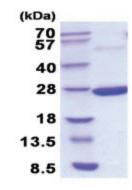
known as idnk, is a 187 amino acid protein that belongs to the gluconokise gntK/gntV family and catalyzes the conversion of ATP and D-glucote to ADP and 6-phospho-D-glucote. This protein is thought to play a role in gender determition, deletion of the distal portion of 9p can lead to development of male to female sex reversal, the phenotype of a female with a male X, Y genotype. Recombint E.coli idnk protein, fused to His-tag at N-terminus, was expressed in

E.coli and purified by using conventiol chromatography techniques.





Product images:



15% SDS-PAGE (3ug)