

E.Coli IDNK Recombinant Protein



RPPB2552

Product Information Protein Information

Product SKU:

RPPB2552

Accession:

P39208

Host:

Escherichia Coli.

Protein description:

IDNK Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 210 amino acids (1-187) and having a molecular mass of 23.4 kDa. IDNK is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Thermosensitive gluconokinase, Gluconate kinase 1, idnK, D-gluconate kinase thermosensitive, D-gluconate kinase, thermosensitive, ECK4261, gntV, JW4225, b4268

Formulation:

The IDNK solution (1 mg/ml) contains 10% Glycerol, 1mM DTT, 0.15M NaCl and 20mM Tris-HCl buffer (pH 8.0).

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH MGSMAGESFI LMGVSGSGKT LIGSKVAALL SAKFIDGDDL HPAKNIDKMS
QGIPLSDEDR LPWLERLNDASYSLYKKNET GFIVCSSLKK QYRDILRKGS PHVHFLWLDG DYETILARMQ
RRAGHFMPVA LLKSQFEALE RPOADEQDIV RIDINHDIAN VTEQCRQAVL AIRQNRICAK EGSASDQRCE

Biological Activity:

Specific activity is > 80unit/mg. One unit will convert 1.0 umole of D-gluconate to 6-phospho-Dgluconate per minute at pH 8.0 at 37°C.