

## 32-3033: IDNK Recombinant Protein

**Alternative Name :** Thermosensitive gluconokinase, Gluconate kinase 1, idnK.

### Description

Source : E.coli. IDNK E.Coli Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 210 amino acids (1-187 a.a) and having a molecular mass of 23.4kDa. IDNK is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Thermosensitive Gluconokinase, also known as IDNK is a 187 a.a protein which is a member of the gluconokinase gntK/gntV family. IDNK catalyzes the conversion of ATP and D-gluconate to ADP and 6-phospho-D-gluconate. In addition, IDNK is considered to take part in gender determination, deletion of the distal portion of 9p is able to lead to a development of male to female sex reversal, the phenotype of a female with a male X, Y genotype.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95% as determined by SDS-PAGE.
<b>Content :</b>	IDNK protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGSMAGESFI LMGVSGSGKT LIGSKVAALL SAKFIDGDDL HPAKNIDKMSQGIPLSDEDR LPWLERLNDASYSLYKKNET GFIVCSSLKK QYRDILRKGS PHVHFLWLDG DYETILARMQRRAGHFMPVA LLKSQFEALE RPQADEQDIV RIDINHDIANVTEQCRQAVL AIRQNRICAK EGSASDQRCE.

