

Product datasheet for **AR51994PU-S**

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-gluconate kase, thermosensitive, also known as idnk, D-gluconate kase, thermosensitive, also known as idnk, is a 187 amino acid protein that belongs to the gluconokase gntK/gntV family and catalyzes the conversion of ATP and D-gluconate to ADP and 6-phospho-D-gluconate. This protein is thought to play a role in gender determination, 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. Recombinant E.coli idnk protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.



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Product images:

