

## Product datasheet for **AR09100PU-N**

### 14-3-3 protein epsilon (1-255) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	14-3-3 protein epsilon (1-255) human recombinant protein, 0.1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MDDREDLVYQ AKLAEQAERY DEMVESMKKV AGMDVELTVE ERNLLSVAYK NVIGARRASW RIISSIEQKE ENKGGEDKLV MIREYRQMVE TELKLICCDI LDVLDKHLIP AANTGESKVF YYKMKGDYHR YLAEFATGND RKEAAENSLV AYKAASDIAM TELPPTHPIR LGLALNFSVF YYEILNSPDR ACRLAKAAFD DAIAELDTLS EESYKDSTLI MQLLRDNLTL WTSMDMQGDGE EQNKEALQDV EDENQ
<b>Concentration:</b>	lot specific
<b>Purity:</b>	≥95 by SDS-PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris pH 7.5
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human 14-3-3 ε was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Storage:</b>	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_006752</a>
<b>Locus ID:</b>	7531
<b>UniProt ID:</b>	<a href="#">P62258</a> , <a href="#">V9HW98</a>
<b>Cytogenetics:</b>	17p13.3
<b>Synonyms:</b>	14-3-3E; HEL2; KCIP-1; MDCR; MDS



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**Summary:**

This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 100% identical to the mouse ortholog. It interacts with CDC25 phosphatases, RAF1 and IRS1 proteins, suggesting its role in diverse biochemical activities related to signal transduction, such as cell division and regulation of insulin sensitivity. It has also been implicated in the pathogenesis of small cell lung cancer. Two transcript variants, one protein-coding and the other non-protein-coding, have been found for this gene. [provided by RefSeq, Aug 2008]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Cell cycle, Neurotrophin signaling pathway, Oocyte meiosis

**Product images:**