

## Product datasheet for **AR09101PU-N**

### 14-3-3 protein gamma (1-247) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	14-3-3 protein gamma (1-247) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MVDREQLVQK ARLAEQAERY DDMAAAMKNV TELNEPLSNE ERNLLSVAYK NVVGARRSSW RVISSIEQKT SADGNEKKIE MVRAYREKIE KELEAVCQDV LSLLDNYLIK NCSETQYESK VFYLMKMGDY YRYLAEVATG EKRA TVVSS EKAYSEAHEI SKEHMQPTHP IRLGLALNYS VFYIEIQNAP EQACHLAKTA FDDAIAELDT LNEDSYKDST LIMQLLRDNL TLWTSDQQDD DGGEGNN
Concentration:	lot specific
Purity:	≥95 by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris pH 7.5
Preparation:	Liquid purified protein
Protein Description:	Recombinant human 14-3-3 γ was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_036611</a>
Locus ID:	7532
UniProt ID:	<a href="#">P61981</a>
Cytogenetics:	7q11.23
Synonyms:	14-3-3GAMMA; DEE56; EIEE56; PPP1R170



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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 rat ortholog. It is induced by growth factors in human vascular smooth muscle cells, and is also highly expressed in skeletal and heart muscles, suggesting an important role for this protein in muscle tissue. It has been shown to interact with RAF1 and protein kinase C, proteins involved in various signal transduction pathways. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Cell cycle, Neurotrophin signaling pathway, Oocyte meiosis

**Product images:**