

## Product datasheet for **AR09108PU-L**

### GADD45B (1-160) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	GADD45B (1-160) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MTLEELVACD NAAQKMQTVT AAVEELLVAA QRQDRLTVGV YESAKLMNV D PDSVLCCLA IDEEEDDIA LQIHFTLIQS FCCDNDINIV RVSGMQRLAQ LLGEP AETQG TTEARDLHCL LVTNPHTDAW KSHGLVEVAS YCEESRGNNQ WVPYISLQER
Predicted MW:	17.8 kDa
Concentration:	lot specific
Purity:	>95% by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 7.5)
Preparation:	Liquid purified protein
Protein Description:	Recombinant GADD45B protein 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_056490</a>
Locus ID:	4616
UniProt ID:	<a href="#">O75293</a>
Cytogenetics:	19p13.3
Synonyms:	GADD45BETA; MYD118



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**Summary:**

This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The genes in this group respond to environmental stresses by mediating activation of the p38/JNK pathway. This activation is mediated via their proteins binding and activating MTK1/MEKK4 kinase, which is an upstream activator of both p38 and JNK MAPKs. The function of these genes or their protein products is involved in the regulation of growth and apoptosis. These genes are regulated by different mechanisms, but they are often coordinately expressed and can function cooperatively in inhibiting cell growth. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Cell cycle, MAPK signaling pathway, p53 signaling pathway

**Product images:**