

Datasheet for ABIN935002  
**GADD45B Protein (AA 1-160)**



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1 Image

## Overview

Quantity:	100 µg
Target:	GADD45B
Protein Characteristics:	AA 1-160
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	MTLEELVACD NAAQKMQTVT AAVEELLVAA QRQDRLTVGV YESAKLMNVD PDSVVLCLLA IDEEEEDDIA LQIHFTLIQS FCCDNDINIV RVSGMQRLAQ LLGPAETQG TTEARDLHCL LVTNPHTDAW KSHGLVEVAS YCEESRGNNQ WVPYISLQER
Characteristics:	Purified recombinant Human GADD45 B protein Expression System: E.coli Molecular weight on SDS-PAGE will appear higher.
Purity:	> 95 % pure

## Target Details

Target:	GADD45B
Alternative Name:	GADD45B ( <a href="#">GADD45B Products</a> )
Background:	GADD45B is a member of GADD45 family (GADD45 alpha, beta, and gamma) that are nuclear

## Target Details

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proteins which interact with various proteins implicated in stress responses and cell-cycle-related proteins. The function of GADD45 proteins is involved in growth-regulatory mechanisms and apoptosis. GADD45B is necessary for adult neurogenesis, including brain-derived neurotrophic factor and fibroblast growth factor. And therefore, this protein is implicated in affecting synaptic plasticity. Recombinant GADD45B protein was expressed in *E. coli* and purified by using conventional chromatography techniques.

Alternative Names: myeloid differentiation primary response gene protein, growth arrest and DNA-damage-inducible 45 beta protein, GADD45B protein, ADD45 beta protein, Growth arrest and DNA-damage-inducible beta protein, Growth arrest and DNA-damage-inducible protein protein, GADD45BETA protein, Negative growth-regulatory protein MyD118., MYD118 protein, beta GADD45 Beta protein, Myeloid differentiation primary response protein MyD118 protein, Growth arrest and DNA-damage-inducible protein

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Molecular Weight: 17.8 kDa (160 AA)

Pathways: [Cell Division Cycle](#)

## Application Details

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Application Notes: GADD protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

Restrictions: For Research Use only

## Handling

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Format: Liquid

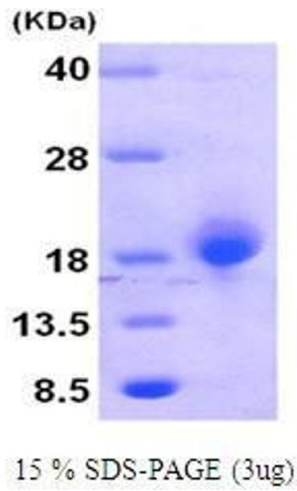
Concentration: 1 mg/mL

Buffer: Supplied as a liquid in 20 mM Tris-HCl, pH 7.5.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: RT/-20 °C

Storage Comment: Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.



#### SDS-PAGE

**Image 1.** Figure annotation denotes ug of protein loaded and % gel used.