

Recombinant human GADD45 beta protein

Catalog Number: GAD0901

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-160aa

UniProt No.

O75293

NCBI Accession No.

NP_056490

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

17.8 kDa (160aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5)

Purity

> 95% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

GADD45B is a member of GADD45 family (GADD45alpha, beta, and gamma) that are nuclear proteins to interact with various proteins implicated in stress responses and cell-cycle-related proteins. The function of GADD45

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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.

Amino acid Sequence

MTLEELVACD NAAQKMQTVT AAVEELLVAA QRQDRLTVGV YESAKLMNVD PDSVVLCLLA IDEEEEDDIA LQIHFTLIQS
FCCDNDINIV RVSGMQRLAQ LLGEPATQGG TTEARDLHCL LVTNPHTDAW KSHGLVEVAS YCEESRGNNQ WVPYISLQER

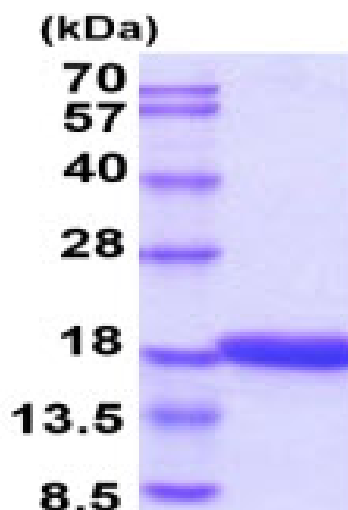
General References

Takekawa M., et al. (1998) Cell 95(4), 521-30

Zerbini LF., et al. (2004) PNAS 101(37), 13618-23

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15 % SDS-PAGE (3ug)