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

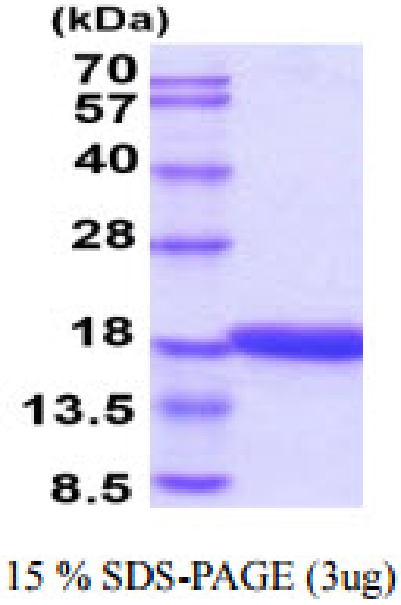
MTLEELVACD NAAQKMQTVT AAVEELLVAA QRQDRLTVGV YESAKLMNVD PDSVVLCLLA IDEEEEDDIA LQIHFTLIQS FCCDNDINIV RVSGMQRLAQ LLGEPAETQG TTEARDLHCL LVTNPHTDAW KSHGLVEVAS YCEESRGNNQ WVPYISLQER

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



15 % SDS-PAGE (3ug)

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