Recombinant human GADD45 gamma protein

Catalog Number: GAD0902

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-159aa

UniProt No.
O95257

NCBI Accession No.
NP_006696.1

Alternative Names
Growth arrest and DNA-damage-inducible gamma, CR6, DDIT2, Growth arrest and DNA-damage-inducible gamma, Growth arrest and DNA-damage-inducible gamma, Cytokine responsive protein CR6, GADD45G, Growth arrest and DNA damage inducible gamma, GRP17

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
GADD45G 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 proteins is involved in growth-regulatory mechanisms and apoptosis. GADD45G protein responds to environmental stresses by mediating activation of p38/JNK pathway via MTK1/MEKK4 kinase and its transcript

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levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. Recombinant GADD45G protein was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

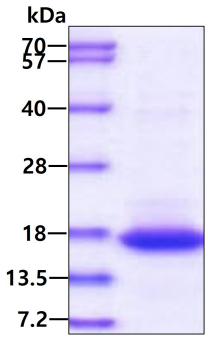
MTLEEVRGQD TVPESTARMQ GAGKALHELL LSAQRQGCLT AGVYESAKVL NVDPDNVTFC VLAAGEEDEG DIALQIHFTL IQAFCCENDI DIVRVGDVQR LAAIVGAGEE AGAPGDLHCI LISNPNEDAW KDPALEKLSL FCEESRSVND WVPSITLPE

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.