

Recombinant Human Growth Arrest and DNA-damage-Inducible, Gamma

Cat. No. GADD45G-359H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanGADD45G protein was expressed in E.coli and purified by using conventional chromatography techniques, 17.1 kDa (159 aa).
Species	Human
Source	E.coli
Description	GADD45G is a member of GADD45 family (GADD45α, β, and γ) 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 levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents.
Form	Liquid. In 20 mM Tris-HCl buffer (pH 7.5).
Purity	> 95% by SDS - PAGE.
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MTLEEVRGQD TVPESTARMQ GAGKALHELL LSAQRQGCLT AGVYESAKVL NVDPDNVTFC VLAAGEEDEG DIALQIHFTL IQAFCCENDI DIVRVGD VQ R LAAIVGAGEE AGAPGDLHCI LISNPNEAW KDPALKLSL FCEESRSVND

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WVPSITLPE

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name

GADD45G growth arrest and DNA-damage-inducible, gamma [Homo sapiens]

Synonyms

growth arrest and DNA-damage-inducible, gamma; GADD45-gamma; OTTHUMP00000021623; gadd-related protein, 17 kD; GADD45G; DDIT2; GADD45gamma; CR6; GRP17; DDIT-2; Cytokine-responsive protein CR6; DNA-damage-inducible transcript 2.

Gene ID

10912

mRNA Refseq

NM_006705

Protein Refseq

NP_006696

MIM

604949

UniProt ID

O95257

**Chromosome
Location**

9q22.1-q22.2

Function

protein binding

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