

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

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

## SPECIFICATION

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