

## Recombinant Human GADD45G, His-tagged

**Cat. No.** GADD45G-13111H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GADD45G protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-127a.a.
<b>Description</b>	This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The protein encoded by this gene responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. The GADD45G is highly expressed in placenta.
<b>Source</b>	E.coli
<b>Species</b>	Human
<b>Tag</b>	His
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM

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Imidazole and 0.7% Sarcosyl, 15%glycerol.

## GENE INFORMATION

**Gene Name** [GADD45G growth arrest and DNA-damage-inducible, gamma \[ Homo sapiens \]](#)

**Official Symbol** [GADD45G](#)

**Synonyms** [GADD45G](#); growth arrest and DNA-damage-inducible, gamma; growth arrest and DNA damage-inducible protein GADD45 gamma; CR6; DDIT2; gadd related protein; 17 kD; GADD45gamma; growth arrest and DNA damage inducible gamma; GRP17; DDIT-2; GADD45-gamma; gadd-related protein, 17 kD; cytokine-responsive protein CR6; DNA damage-inducible transcript 2 protein;

**Gene ID** [10912](#)

**mRNA Refseq** [NM\\_006705](#)

**Protein Refseq** [NP\\_006696](#)

**MIM** [604949](#)

**UniProt ID** [O95257](#)

**Chromosome Location** 9q22.1-q22.2

**Pathway** Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; IL12-mediated signaling events, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; p38 MAPK signaling pathway, organism-specific biosystem; p53 signaling pathway,

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organism-specific biosystem;

**Function**

protein binding;

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