

Recombinant Human GADD45G, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human GADD45G protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-127a.a.
Description	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.
Source	E.coli
Species	Human
Tag	His
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 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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