

Recombinant Human GADD45G

Cat. No. GADD45G-26073TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human GADD45G; 159 amino acids, 17.1 kDa.
Species	Human
Source	E.coli
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.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20mM Tris HCl buffer, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MTLEEVRGQD TVPESTARMQ GAGKALHELL LSAQRQGCLT AGVYESAKVL NVDPDNVTFC VLAAGEEDEG DIALQIHFTL IQAFCCENDI DIVRVGDVQR LAAIVGAGEE AGAPGDLHCI LISNPNEAW KDPALEKL SL FCEESRSVND WVPSITLPE

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Sequence Similarities	Belongs to the GADD45 family.
Full Length	Full L.
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;
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;

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Function

protein binding;

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