

Recombinant Human GADD45A, His-tagged

Cat. No. GADD45A-26075TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GADD45A with C terminal His tag; 173 amino acids with tag, MWt 19.4kDa.
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 DNA damage-induced transcription of this gene is mediated by both p53-dependent and -independent mechanisms. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Conjugation	HIS
Form	Liquid
Storage buffer	Preservative: None Constituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids	MTLEEFSA GE QKTERMDKVG DALEEVLSKA LSQRTITVGV YEAAKLLNVD PDNVVLCLLA ADEDDDDRDA LQIHFTLIQA FCCENDINIL RVSNPGR LAE LLLLLETDAGP AASEGAEQPP DLHCVLVTNP HSSQWKDPAL SQLICFCRES RYMDQWVPVI NLPERLEHHH HHH
Sequence Similarities	Belongs to the GADD45 family.
Full Length	Full L.
GENE INFORMATION	
Gene Name	GADD45A growth arrest and DNA-damage-inducible, alpha [Homo sapiens]
Official Symbol	GADD45A
Synonyms	GADD45A; growth arrest and DNA-damage-inducible, alpha; DDIT1; growth arrest and DNA damage-inducible protein GADD45 alpha; GADD45;
Gene ID	1647
mRNA Refseq	NM_001199741
Protein Refseq	NP_001186670
MIM	126335
Uniprot ID	P24522
Chromosome Location	1p31.2

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Pathway	ATF-2 transcription factor network, organism-specific biosystem; Adipogenesis, organism-specific biosystem; Aurora A signaling, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem;
Function	protein binding;

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