

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
 MTLEEFSAE QKTERMDKVG DALEEVLSKA LSQRTITVGV YEAAKLLNVD
 PDNVVLCLLA ADEDDDRDVA LQIHFTLIQA FCCENDINIL RVSNPGRLE
 LLLLETDAGP 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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