

Recombinant Human GADD45A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GADD45A-1993H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GADD45A MS Standard C13 and N15-labeled recombinant protein (NP_001915) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	18.3 kDa
AA Sequence	MTLEEFSAEQKTERMDKVGDALEEVLSKALSQRTITVGVYEAAKLLNVDPDNVVLC LLAADEDDDRDVALQIHFTLIQAFCCENDINILRVSNPGRLAELLLLTDAGPAASEGA EQPPDLHCVLVTNPHSSQWKDPALSQLICFCRESRYMDQWVVPVINLPERTRTRPLE QKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	GADD45A growth arrest and DNA damage inducible alpha [Homo sapiens (human)]
Official Symbol	GADD45A
Synonyms	GADD45A; growth arrest and DNA-damage-inducible, alpha; DDIT1; growth arrest and DNA damage-inducible protein GADD45 alpha; GADD45; DDIT-1; DNA damage-inducible transcript-1; DNA-damage-inducible transcript 1; DNA damage-inducible transcript 1 protein; growth arrest and DNA-damage-inducible 45 alpha;
Gene ID	1647
mRNA Refseq	NM_001924
Protein Refseq	NP_001915
MIM	126335
UniProt ID	P24522

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SDS-PAGE



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