

Recombinant Human GADD45A Protein, GST-tagged

Cat. No. GADD45A-4657H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GADD45A full-length ORF (AAH11757.1, 1 a.a. - 165 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq]
Molecular Mass	44.7 kDa
AA Sequence	MTLEEFSSAGEQKTERMDKVGDALEEVLSKALSQRTITVGVEAAKLLNVDPDNVVLCLLAADEDDDRVALQIHFTLIQAFCCENDINILRVSNPGRLAELLLLETDAGPAASEGA EQPPDLHCVLVTNPHSSQWKDPALSQLICFCRESRYMDQWVPVINLPER
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

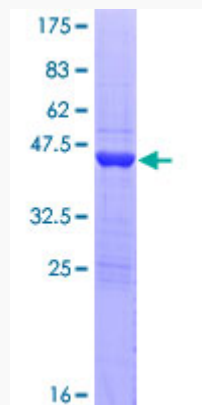
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 45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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; 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_001199741
Protein Refseq	NP_001186670
MIM	126335
UniProt ID	P24522

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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