

## Recombinant Human GADD45A Protein, GST-tagged

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

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Human GADD45A full-length ORF ( AAH11757.1, 1 a.a. - 165 a.a.) recombinant protein with GST-tag at N-terminal.   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | Wheat Germ   |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 44.7 kDa   |
| <b>AA Sequence</b>      | MTLEEFSSAGEQKTERMDKVGDALEEVLSKALSQRTITVGVYEAAKLLNVDPDNVVLC<br>LLAADEDDDRDVALQIHFTLIQAFCCENDINILRVSNPGRRLAELLLLLETAGPAASEGA<br>EQPPDLHCVLVTNPHSSQWKDPALSQICFCRESRYMDQWVPIVNLPER   |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array  |

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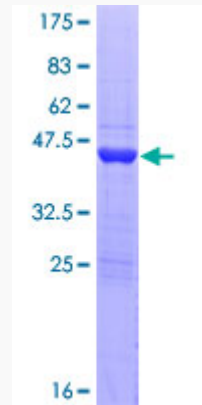
|                         |   |
|-------------------------|---|
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.  |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.  |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.  |
| <b>GENE INFORMATION</b> |   |
| <b>Gene Name</b>        | GADD45A growth arrest and DNA-damage-inducible, alpha [ Homo sapiens ]  |
| <b>Official Symbol</b>  | GADD45A   |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 1647  |
| <b>mRNA Refseq</b>      | NM_001199741  |
| <b>Protein Refseq</b>   | NP_001186670  |
| <b>MIM</b>              | 126335  |
| <b>UniProt ID</b>       | P24522  |

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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