

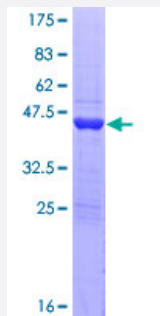
Full-Length

GADD45A (Human) Recombinant Protein (P01)

Catalog # H00001647-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GADD45A full-length ORF (AAH11757.1, 1 a.a. - 165 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTLEEFSAEQKTERMDKVGDALEEVLSKALSQRTITVGVEAAKLLNVDPDNVVLCLLADEDDRDVALQIHFTLIQAFCCENDINLRVSNPGRLAELLLLLETDAGPAASEGAEQPPDLHCVLVTNPHSSQWKDPALSQLICFCRESRYMDQWVPVINLPER

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

44.7

Preparation Method
[in vitro wheat germ expression system](#)
Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GADD45A

Entrez GeneID [1647](#)

GeneBank Accession# [BC011757.2](#)

Protein Accession# [AAH11757.1](#)

Gene Name GADD45A

Gene Alias DDIT1, GADD45

Gene Description growth arrest and DNA-damage-inducible, alpha

Omim ID [126335](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a member of a group of genes whose transcript levels are increased following stress ful growth arrest conditions and treatment with DNA-damaging agents. The protein encoded by thi s gene responds to environmental stresses by mediating activation of the p38/JNK pathway via M TK1/MEKK4 kinase. The DNA damage-induced transcription of this gene is mediated by both p5 3-dependent and -independent mechanisms. [provided by RefSeq

Other Designations DNA damage-inducible transcript 1|DNA damage-inducible transcript-1|DNA-damage-inducible t ranscript 1|OTTHUMP00000010979|growth arrest and DNA-damage-inducible 45 alpha

Pathway

- [Cell cycle](#)
- [MAPK signaling pathway](#)

- [p53 signaling pathway](#)

Disease

- [Ataxia telangiectasia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Chronic Disease](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Microsatellite Instability](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Schizophrenia](#)