

## Recombinant Human GADD45B Protein, GST-tagged

Cat. No. GADD45B-4659H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human GADD45B full-length ORF ( ADR83481.1, 1 a.a. - 160 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<p>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 genes in this group respond to environmental stresses by mediating activation of the p38/JNK pathway. This activation is mediated via their proteins binding and activating MTK1/MEKK4 kinase, which is an upstream activator of both p38 and JNK MAPKs. The function of these genes or their protein products is involved in the regulation of growth and apoptosis. These genes are regulated by different mechanisms, but they are often coordinately expressed and can function cooperatively in inhibiting cell growth. [provided by RefSeq</p>
<b>Molecular Mass</b>	17.6 kDa
<b>AA Sequence</b>	<p>MTLEELVACDNAAQKMQTVTAAVEELLVAAQRQDRLTVGVYESAKLMNVDPDSVVL            CLLAIDEEEDDIALQIHFTLIQSFCNDNDINIVRVSGMQRLAQLLGEP AETQGTTEAR            DLHCLLVTPHTDAWKSHGLVEVASYCEESRGNNQWVPYISLQER</p>
<b>Applications</b>	<p>Enzyme-linked Immunoabsorbent Assay            Western Blot (Recombinant protein)</p>

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	Antibody Production Protein Array
<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>	GADD45B growth arrest and DNA-damage-inducible, beta [ Homo sapiens ]
<b>Official Symbol</b>	GADD45B
<b>Synonyms</b>	GADD45B; growth arrest and DNA-damage-inducible, beta; MYD118; growth arrest and DNA damage-inducible protein GADD45 beta; DKFZP566B133; GADD45BETA; growth arrest and DNA damage inducible beta; myeloid differentiation primary response; negative growth regulatory protein MyD118; myeloid differentiation primary response protein MyD118; DKFZp566B133;
<b>Gene ID</b>	4616
<b>mRNA Refseq</b>	NM_015675
<b>Protein Refseq</b>	NP_056490
<b>MIM</b>	604948
<b>UniProt ID</b>	O75293

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