

Recombinant Human GADD45B, GST-tagged

Cat. No. GADD45B-13110H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human GADD45B protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 90-160a.a. |
| 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 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. |
| Storage | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles. |
| Storage Buffer | 1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

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GENE INFORMATION

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| Gene Name | GADD45B growth arrest and DNA-damage-inducible, beta [Homo sapiens] |
| Official Symbol | GADD45B |
| Synonyms | 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; |
| Gene ID | 4616 |
| mRNA Refseq | NM_015675 |
| Protein Refseq | NP_056490 |
| MIM | 604948 |
| UniProt ID | O75293 |
| Chromosome Location | 19p13.3 |
| Pathway | Adipogenesis, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; IL12-mediated signaling events, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; p38 MAPK signaling pathway, organism-specific biosystem; |

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