

Recombinant Human GADD45B Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. GADD45B-292H Lot. No. (See product label)

SPECIFICATION

Product Overview

GADD45B MS Standard C13 and N15-labeled recombinant protein (NP_056490) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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. [provided by RefSeq, Jul 2008]

Molecular Mass


17.6 kDa

AA Sequence

MTLEELVACDNAAQKMQTVTAAVEELLVAAQRQDRLTVGVYESAKLMNVDPDSVVL
 CLLAIDEEEDDIALQIHFTLIQSFCNDINIVRVSGNARLAQLLGEP AETQGTTEAR
 DLHCLPFLQNPHTDAWKSHGLVEVASYCEESRGNQWVPYISLQERTRTRPLEQKL
 ISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	GADD45B growth arrest and DNA-damage-inducible, beta [Homo sapiens (human)]
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

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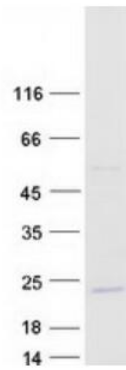
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UniProt ID

O75293

SDS-PAGE



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