

Product datasheet for **TP313354M**

GADD45B (NM_015675) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human growth arrest and DNA-damage-inducible, beta (GADD45B), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213354 representing NM_015675 Red =Cloning site Green =Tags(s) MTLEELVACD NA AQKM Q TVTAAVEELLVAAQRQDRLTVGVYESAKLMNVDPDSVWLCLLAIDEEEDDIA LQIHFTLIQSFCCDNDINIVRVSGNARLAQLLGEPAETQGTTEARDLHCLPFLQNPHTDAWKSHGLVEVA SYCEESRGN N QWVPYISLQER TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	17.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_056490
Locus ID:	4616
UniProt ID:	O75293



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RefSeq Size: 1121

Cytogenetics: 19p13.3

RefSeq ORF: 483

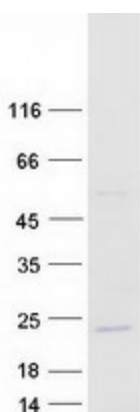
Synonyms: GADD45BETA; MYD118

Summary: 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]

Protein Families: Druggable Genome

Protein Pathways: Cell cycle, MAPK signaling pathway, p53 signaling pathway

Product images:



Coomassie blue staining of purified GADD45B protein (Cat# [TP313354]). The protein was produced from HEK293T cells transfected with GADD45B cDNA clone (Cat# [RC213354]) using MegaTran 2.0 (Cat# [TT210002]).