

## Product datasheet for PH313354

### GADD45B (NM\_015675) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	GADD45B MS Standard C13 and N15-labeled recombinant protein (NP_056490)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213354
Predicted MW:	17.6 kDa
Protein Sequence:	<p>&gt;RC213354 representing NM_015675</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MTLEELVACDNAAQKMQTVTAAVEELLVAAQRQDRLTVGVYESAKLMNVDPDSVVLCLLAIDEEEDDIA            LQIHFTLIQSFCCDNDINIVRVSGNARLAQLLGEPAETQGTTEARDLHCLPFLQNPHTDAWKSHGLVEVA            SYCEESRGNNQWVPYISLQER</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_056490</a>
RefSeq Size:	1121
RefSeq ORF:	483
Synonyms:	GADD45BETA; MYD118
Locus ID:	4616
UniProt ID:	<a href="#">O75293</a>


[View online »](#)

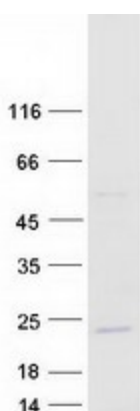
**Cytogenetics:** 19p13.3

**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]).