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## Datasheet for ABIN7318512 **GADD45B Protein (His tag)**

### Overview

Quantity:	50 µg
Target:	GADD45B
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GADD45B protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human GADD45β/GADD45B Protein (His Tag)
Sequence:	Met 1-Arg160
Characteristics:	Recombinant Human Growth Arrest and DNA Damage-Inducible Protein GADD45 beta is produced by our E.coli expression system and the target gene encoding Met1-Arg160 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	GADD45B
Alternative Name:	GADD45beta/GADD45B ( <a href="#">GADD45B Products</a> )
Background:	Background: Growth Arrest and DNA Damage-Inducible Protein GADD45 β (GADD45B) is a member of the GADD45 family. GADD45B has been shown to interact with MAP3K4, ASK1,

## Target Details

MAP2K7, and GADD45GIP1. GADD45B is involved in the regulation of growth and apoptosis. GADD45B reacts to environmental stresses by mediating activation of stress-responsive MTK1/MEKK4 kinase, which is an upstream activator of both p38 and JNK MAPKs. In addition, GADD45B participates in the down-regulation of hepatocellular carcinoma (HCC). It may serve as a possible therapeutic target.

Synonym: Growth Arrest and DNA Damage-Inducible Protein GADD45 Beta, Myeloid Differentiation Primary Response Protein MyD118, Negative Growth Regulatory Protein MyD118, GADD45B, MYD118

Molecular Weight:	20.0 kDa
UniProt:	<a href="#">O75293</a>
Pathways:	<a href="#">Cell Division Cycle</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.