9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

GADD45B Human

Growth Arrest and DNA-Damage-Inducible Beta Human Recombinant
RCP0890

Product Overview

Name	GADD45B Human
Description	
Growth Arrest and DNA-Damage-Inducible Beta Human Recombinant	
Accession (Primary)	O75293
Synonyms	
MYD118, GADD45BETA, GADD45B, Growth arrest and DNA-damage-inducible protein GADD45 beta, Myeloid differentiation primary response protein MyD118, Negative growth regulatory protein MyD118, DKFZp566B133.	
Introduction	
GADD45B is part of the nuclear proteins to interact with various proteins whose transcript levels are raised after stressful growth arrest conditions and treatment with DNA-damaging agents. GADD45B reacts to environmental stresses by mediating activation of the p38/JNK pathway which is mediated through their protein binding and activating MTK1/MEKK4 kinase, which is an upstream activator of both p38 and JNK MAPKs. GADD45B is involved in the regulation of growth and apoptosis. GADD45b takes part during chondrocyte terminal differentiation and mediates MMP-13 gene expression. GADD45 in B cells is induced by CD40 via a mechanism that involves NF-kappa B and that induction suppresses Fas-mediated killing. GADD45b is down-regulated in most cases of hepatocellular carcinoma (HCC), and is a molecular marker in the diagnosis of HCC and as a possible therapeutic target.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The GADD45B protein solution contains 20mM Tris-HCl pH-7.5 and 20% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	

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MTLEELVACD NAAQKMQTVT AAVEELLVAA QRQDRLTVGV YESAKLMNVD PDSVVLCLLA IDEEEEDDIA LQIHFTLIQS FCCDNDINIV RVSGMQRLAQ LLGEPAETQG TTEARDLHCL LVTNPHTDAW KSHGLVEVAS YCEESRGNNQ WVPYISLQER.

Precautions

GADD45B Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O75293)