Recombinant Human GADD45β/GADD45B Protein (His Tag)

Catalog Number: PKSH032467

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description			
Species			Human
Source			E.coli-derived Human GADD45 β ;GADD45B protein Met 1-Arg160, with an N-terminal
			His
Calculated MW			20.0 kDa
Observed MW			24 kDa
Accession			075293
Bio-activity			Not validated for activity
Properties			
Purity			> 95 % as determined by reducing SDS-PAGE.
Endotoxin			< 1.0 EU per µg of the protein as determined by the LAL method.
Storage			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 $< -20^{\circ}C$ for 3 months.
Shipping			This product is provided as lyophilized powder which is shipped with ice packs.
Formulation			Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
			Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants
			before lyophilization.
			Please refer to the specific buffer information in the printed manual.
Reconstitution			Please refer to the printed manual for detailed information.
Data			
	L/Da	MK	P

kDa 120 90 60	МК	R
40		
30		
20		_
14	_	-

> 95 % as determined by reducing SDS-PAGE.

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, MAP2K7, and GADD45GIP1. GADD45B is involved in the regulation of growth and apoptosis. GADD45B reacts to environmental stresses by mediating activation of stressresponsive 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.