Recombinant Human GADD45B

Catalog No: CE37

Description	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.
Source	Human Cells
Alternative name	Growth Arrest and DNA Damage-Inducible Protein GADD45 Beta; Myeloid Differentiation Primary Response Protein MyD118; Negative Growth Regulatory Protein MyD118; GADD45B; MYD118
Accession No.	O75293
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Amino Acid Sequence	MGSSHHHHHHSSGLVPRGSHMTLEELVACDNAAQKMQTVTAAVEELLVAAQRQDRLTVGVYESAKL MNVDPDSVVLCLLAIDEEEEDDIALQIHFTLIQSFCCDNDINIVRVSGMQRLAQLLGEPAETQGTTEARD LHCLLVTNPHTDAWKSHGLVEVASYCEESR GNNQWVPYISLQER
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 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.

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