



Recombinant Protein Technical Manual
Recombinant Human GADD45 β /GADD45B Protein
(His Tag)
RPES4509

Product Data:

Product SKU: RPES4509

Size: 10 μ g

Species: Human

Expression host: E. coli

Uniprot: O75293

Protein Information:

Molecular Mass: 20.0 kDa

AP Molecular Mass: 24 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per μ g as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

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

Immunogen Information:

Sequence: Met 1-Arg160

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.