Recombinant Human GADD45γ/GADD45G Protein (His Tag)

Catalog Number: PKSH032468

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

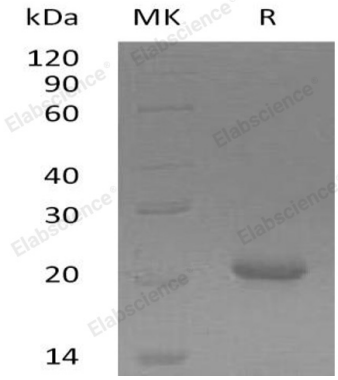
Description

Species	Human
Source	E.coli-derived Human GADD45γ;GADD45G protein Met 1-Glu159, with an N-terminal His
Calculated MW	19.3 kDa
Observed MW	21 kDa
Accession	O95257
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 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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



> 95 % as determined by reducing SDS-PAGE.

Background

Growth Arrest and DNA Damage-Inducible Protein GADD45 Y (GADD45G) is a nuclear protein which belongs to the GADD45 family. GADD45G is highly expressed in placenta. GADD45G interacts with various proteins whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. GADD45G responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. GADD45G is also involved in the regulation of growth and apoptosis. GADD45G inhibits cell growth and differentiation by androgens. The mRNA expression is down-regulated in hepatocellular carcinoma.