Recombinant Human GADD45A/DDIT-1 Protein (His Tag)

Catalog Number: PKSH033661

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

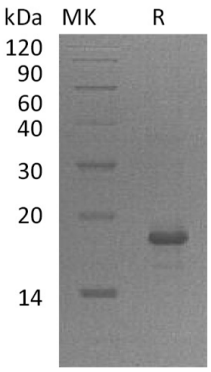
Description

Species	Human
Source	E.coli-derived Human GADD45A;DDIT-1 protein Met1-Arg165, with an N-terminal His
Calculated MW	20.5 kDa
Observed MW	18 kDa
Accession	P24522
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 PBS, pH 7.4. 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 α (GADD45A) is a member of the GADD45 family. GADD45A can be induced by UV irradiation; X-rays; growth arrest and alkylating agents; of which can be mediated by some kinases other than PKC. GADD45A can interact with MAPK14; GADD45GIP1; PCNA. In T-cells; GADD45A functions as a regulator of p38 MAPKs by inhibiting p88 phosphorylation and activity. GADD45A may affect PCNA interaction with some cell division protein kinase complexes; stimulating DNA excision repair in vitro and inhibits entry of cells into S phase.

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