Recombinant Human DDIT3 Protein(GST Tag)

Catalog Number: PDEH100664

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

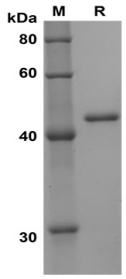
Description

Species	Human
Source	E.coli-derived Human DDIT3 protein Met1-Ala169, with an N-terminal GST
Mol_Mass	34.6 kDa
Accession	P35638
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg 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 in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis

Data



SDS-PAGE analysis of Human DDIT3 proteins, 2μg/lane of Recombinant Human DDIT3 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 43 KD

Background

CHOP/GADD153, also known as DNA-damage-inducible transcript 3 (DDIT3), is a basic domain-leucine zipper(bZIP) transcription factor of C/EBP family. This protein has been shown to be up-regulated by several stresses, such as amino acid or glucose starvation, endoplasmic reticulum (ER) stress, osmotic stress and hypoxia. GADD153 protein may play a role in ER stress-mediated apoptosis and in disease including diabetes, brain ischemia and neurodegenerative disease. Recombinant GADD153 fused with His-tag, was expressed in E.coli and purified by conventional chromatography techniques.