

## Recombinant Human DDIT3 Protein(GST Tag)

Catalog Number: PDEH100664

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

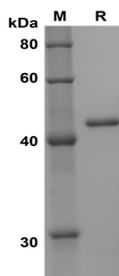
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human DDIT3 protein Met1-Ala169, with an N-terminal GST
<b>Calculated MW</b>	34.6 kDa
<b>Observed MW</b>	43 kDa
<b>Accession</b>	P35638
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 10 EU/mg of the protein as determined by the LAL method
<b>Storage</b>	Generally, 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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
<b>Reconstitution</b>	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.

### For Research Use Only