

# Product information

## GADD153, 1-169 aa

Human, His tagged, Recombinant, *E.coli*

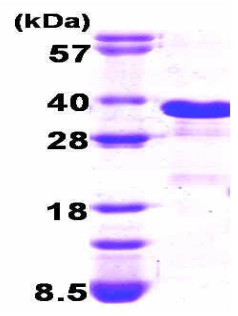
Cat. No. IBGAD0801

**Full name:** Growth arrest-and DNA damage-inducible gene 153

**NCBI Accession No.:** NP\_004074

**Synonyms:** CHOP, DDIT3, CEBPZ, CHOP10

**Description:** 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.

<p><b>Form:</b> Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol</p> <p><b>Molecular Weight:</b> 21.3kDa (189aa), confirmed by MALDI-TOF</p> <p><b>Purity:</b> &gt; 90% by SDS - PAGE</p> <p><b>Concentration:</b> 1 mg/ml (determined by Bradford assay)</p>	 <p>(kDa)</p> <p>57</p> <p>40</p> <p>28</p> <p>18</p> <p>8.5</p> <p>15% SDS-PAGE (3ug)</p>
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### Sequences of amino acids:

MGSSHHHHHH SSSLVPRGSH MAAESLPFSF GTLSSWELEA WYEDLQEVLS SDENGGTYVS PPGNEEEESK IFTTLDPASL AWLTEEEPEP  
 AEVTSTSQSP HSPDSSQSSL AQEEEEEDQG RTRKRKQSGH SPARAGKQRM KEKEQENERK VAQLAEENER LKQIEIRLTR EVEATTRALI  
 DRMVNLHQA

### General references:

Oyadomari S. and Mori M., *et al.*(2004) *Cell death and differentiation*,**11**: 381-389.

Robert M. Silva.,*et al.*(2005) *Journal of Neurochemistry* ;**95**(4):974-986.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**