

## Product datasheet for **AR03034PU-L**

### **GADD153 / CHOP (1-169) Human Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	GADD153 / CHOP (1-169) human recombinant protein, 0.5 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MAAESLPFSF GTLSSWELEA WYEDLQEVLS SDENGGTYVS PPGNEEEESK IFTTLDPASL AWLTEEEPEP AEVTSTSQSP HSPDSSQSSL AQEEEEEDQG RTRKRKQSGH SPARAGKQRM KEKEQENERK VAQLAEENER LKQEIERLTR EVEATRRLI DRMVNLHQA
<b>Predicted MW:</b>	21 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% > 90% by SDS-PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid Buffer System: 20 mM Tris pH 8.0, 20% Glycerol
<b>Preparation:</b>	Liquid
<b>Protein Description:</b>	Recombinant Human GADD153 (Growth arrest-and DNA damage-inducible gene 153), His-tagged
<b>Note:</b>	NCBI Accession No: NP_004074
<b>Storage:</b>	Store upon receipt (in aliquots) at -20 °C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001181982</a>
<b>Locus ID:</b>	1649
<b>UniProt ID:</b>	<a href="#">P35638</a>
<b>Cytogenetics:</b>	12q13.3
<b>Synonyms:</b>	AltDDIT3; C/EBPzeta; CEBPZ; CHOP; CHOP-10; CHOP10; GADD153



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**Summary:**

This gene encodes a member of the CCAAT/enhancer-binding protein (C/EBP) family of transcription factors. The protein functions as a dominant-negative inhibitor by forming heterodimers with other C/EBP members, such as C/EBP and LAP (liver activator protein), and preventing their DNA binding activity. The protein is implicated in adipogenesis and erythropoiesis, is activated by endoplasmic reticulum stress, and promotes apoptosis. Fusion of this gene and FUS on chromosome 16 or EWSR1 on chromosome 22 induced by translocation generates chimeric proteins in myxoid liposarcomas or Ewing sarcoma. Multiple alternatively spliced transcript variants encoding two isoforms with different length have been identified. [provided by RefSeq, Aug 2010]

**Protein Families:**

Druggable Genome, Transcription Factors

**Protein Pathways:**

MAPK signaling pathway

**Product images:**