

## Recombinant Human DDIT3 Protein, GST-His-tagged

Cat. No. DDIT3-859H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human DDIT3, transcript variant 5, fused with N-terminal GST and C-terminal His was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>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.</p>
<b>Form</b>	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1% Sarkosyl.
<b>Molecular Mass</b>	45 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

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## GENE INFORMATION

<b>Gene Name</b>	DDIT3 DNA-damage-inducible transcript 3 [ Homo sapiens ]
<b>Official Symbol</b>	DDIT3
<b>Synonyms</b>	DDIT3; DNA-damage-inducible transcript 3; DNA damage-inducible transcript 3 protein; C/EBP zeta; CHOP; CHOP10; GADD153; DDIT-3; c/EBP-homologous protein 10; CCAAT/enhancer-binding protein homologous protein; growth arrest and DNA damage-inducible protein GADD153; CEBPZ; CHOP-10; MGC4154;
<b>Gene ID</b>	1649
<b>mRNA Refseq</b>	NM_001195053
<b>Protein Refseq</b>	NP_001181982
<b>MIM</b>	126337
<b>UniProt ID</b>	P35638

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