

Recombinant Human DDIT3 Protein, GST-tagged

Cat. No. DDIT3-2442H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DDIT3 full-length ORF (AAH03637.1, 1 a.a. - 169 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	45.6 kDa
AA Sequence	MAAESLPFSFGTLSSWELEAWYEDLQEVLSSENGGTYVSPPGNEEEESKIFTTLD PASLAWLTEEEPEPAEVTSTSQSPHSPDSSQSSLAQEEEEEDQGRTRKRKQSGHS PARAGKQRMKEKEQENERKVAQLAEENERLKQEIERLTREVEATRRALIDRMVNLH QA

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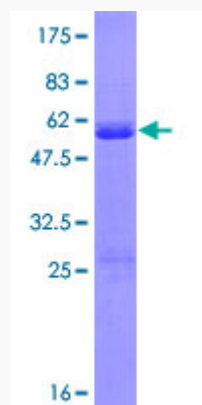
 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	DDIT3 DNA-damage-inducible transcript 3 [Homo sapiens]
Official Symbol	DDIT3
Synonyms	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;
Gene ID	1649
mRNA Refseq	NM_001195053
Protein Refseq	NP_001181982
MIM	126337
UniProt ID	P35638

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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