

Recombinant Human DDIT3 protein, T7/His-tagged

Cat. No. DDIT3-126H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human DDIT3 cDNA (169 aa, isoform 2) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Form	0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGQQMGRGHHHHHGNLYFQGGEEFAAESLPFSFGTLSSWELEAWYEDLQ EVLSSDENGTYVSPPGNEEE ESKIFTTLDPASLAWLTEEEPEPAEVTSTSQSPHS PDSSQSSLAQEEEEEDQGRTRKRKQSGHSPARAGKQRMKE KEQENERKVAQLAE ENERLKQEIERLTREVEATTRALIDRMVNLHQA
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro stress mediated DNA damage pathway regulation study with intracellular delivery of recombinant DDIT3 protein technology, such as PULSin TM protein transfection system. 2. May be used as specific substrate protein for kinase or ubiquitin ligase assay development. 3. May be used as antigen for specific antibody production.
Storage	Keep at -80°C for long term storage. Product is stable at 4 °C for at least 30 days.

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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; CEBPZ; CHOP-10; MGC4154;
Gene ID	1649
mRNA Refseq	NM_001195053
Protein Refseq	NP_001181982
MIM	126337
UniProt ID	P35638
Chromosome Location	12q13.1-q13.2
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Activation of Chaperone Genes by ATF6-alpha, organism-specific biosystem; Activation of Chaperones by ATF6-alpha, organism-specific biosystem; Activation of Genes by ATF4, organism-specific biosystem; Adipogenesis, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem;
Function	DNA binding; protein dimerization activity; sequence-specific DNA binding; sequence-

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specific DNA binding transcription factor activity; transcription corepressor activity;
transcription factor binding;

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