9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

DDIT3 Human

DNA Damage Inducible Transcript 3 Human Recombinant
RCP0628

Product Overview

Name	DDIT3 Human
Description	
DNA Damage Inducible Transcript 3 Human Recombinant	
Accession (Primary)	P35638
Synonyms	
DNA damage-inducible transcript 3, DDIT-3, Growth arrest and DNA-damage-inducible protein GADD153, C/EBP-homologous protein, CHOP, DDIT3, GADD153, CEBPZ, CHOP10, MGC4154.	
Introduction	
DDIT3 reduces DNA-binding activity of C/EBP and lap by forming heterodimers which don't bind DNA. DDIT3, also known as GADD153, is a basic domain-leucine zipper(bZIP) transcription factor of C/EBP family. DDIT3 protein is up-regulated by several stresses, such as amino acid or glucose starvation, endoplasmic reticulum (ER) stress, osmotic stress and hypoxia. DDIT3 protein is invloved in ER stress-mediated apoptosis and in disease including diabetes, brain ischemia and neurodegenerative disease. DDIT3 plays a role in asoprisnil-induced apoptosis. Hypoglycaemia-induced necrotic cell death of neuroblastoma cells is an active process mediated via the induction of the transcription factor DDIT3. DDIT3 plays an important role in melanoma progression. HRG stimulation of mammary epithelial cells induces the expression of DDIT3 mRNA and protein and transcription of DDIT3 promoter.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The DDIT3 protein solution (1mg/ml) contains 20mM Tris-HCl pH-8 and 20% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	

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MGSSHHHHHH SSGLVPRGSH MAAESLPFSF GTLSSWELEA WYEDLQEVLS SDENGGTYVS PPGNEEEESK IFTTLDPASL AWLTEEEPEP AEVTSTSQSP HSPDSSQSSL AQEEEEEDQG RTRKRKQSGH SPARAGKQRM KEKEQENERK VAQLAEENER LKQEIERLTR EVEATRRALI DRMVNLHQA.

Precautions

DDIT3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P35638)