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

DDIT4 Human

DNA Damage Inducible Transcript 4 Recombinant Human
RCP0629

Product Overview

Name	DDIT4 Human
Description	
DNA Damage Inducible Transcript 4 Recombinant Human	
Accession (Primary)	Q9NX09
Synonyms	
DNA-damage-inducible transcript 4, RTP801, REDD-1, Dig2, FLJ20500, Protein regulated in development and DNA damage response 1, HIF-1 responsive protein RTP801, RP11-442H21.1.	
Introduction	
DDIT4 has a role in the regulation of reactive oxygen species. DDIT4 is upregulated at the transcriptional level as a reaction to stress due to DNA damage and glucocorticoid treatment. DDIT4 negatively regulates the mammalian target of Rapamycin, a serine/threonine kinase frequently referred to as mTOR. DDIT4 is vital in the coupling of extra- and intracellular cues to mTOR regulation.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The DDIT4 protein solution (0.25mg/1ml) is formulated in 20 mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT, 1mM EDTA and 30% 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. Please avoid freeze thaw cycles .	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MPSLWDRFSS SSTSSSPSSL PRTPTPDRPP RSAWGSATRE EGFDRSTSLE SSDCESLDSS NSGFGPEEDT AYLDGVSLPD FELLSDPEDE HLCANLMQLL QESLAQARLG SRRPARLLMP SQLVSQVGKE LLRLAYSEPC GLRGALLDVC VEQGKSCHSV GQLALDPSLV PTFQLTLVLR LDSRLWPKIQ	

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GLFSSANSPF LPGFSQSLTL STGFRVIKKK LYSSEQLLIE EC

Precautions

DDIT4 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NX09)