

32-3665: DDIT4 Recombinant Protein

Alternative Name 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.

Description

Source : Escherichia Coli. DDIT4 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 252 amino acids (1-232.a.a) and having a molecular mass of 27.5kDa. DDIT4 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount : 10 µg
Purification : Greater than 90% as determined by SDS-PAGE.
Content : 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.
Storage condition : 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.
Amino Acid : MGSSHHHHHH SSSLVPRGSH MPSSLWDRFSS SSTSSPSSL PRTPTPDRPP RSAWGSATRE
EGFDRSTSLE SSDCESLDSS NSGFGPEEDT AYLDGVSLPD FELLSDPEDE HLCANLMQLL QESLAQARLG
SRRPARLLMP SQLVSQVGKE LLRLAYSEPC GLRGALLDVC VEQGKSCHSV GQLALDPSLV PTFQLTLVLR
LDSRLWPKIQ GLFSSANSPF LPGFSQSLTL STGFRVIKKK LYSSEQLLIE EC