

DDIT4 Human

Description: 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.

Catalog #: PRPS-101

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.

For research use only.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MPSSLWDRFSS SSTSSSPSSL
PRTPTPDRPP RSAWGSATRE EGFRDSTLS SSDCESLDSS NSGFGPEEDT AYLDGVSLPD
FELLSPEDE HLCANLMQLL QESLAQARLG SRRPARLLMP SQLVSQVGKE LLRLAYSEPC
GLRGALLDVC VEQGKSCHSV GQLALDPSLV PTFQLTLVLR LDSRLWPQIQ GLFSSANSPF
LPGFSQSLTL ST

Purity: Greater than 90% as determined by SDS-PAGE.

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.

Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

Storage:

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.

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