Datasheet for ABIN667871

DDIT4 Protein (AA 1-232) (His tag)

1 Image

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Overview

Quantity:	50 µg
Target:	DDIT4
Protein Characteristics:	AA 1-232
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DDIT4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	DDIT4, 1-232aa, Human, His tag, E.coli
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	DDIT4
Alternative Name:	DDIT4 (DDIT4 Products)
Background:	DDIT4, also known as Dig2 or REDD1, is thought to have function in the regulation of reactive oxygen species. In response to stress due to DNA damage and glucocorticoid treatment, DDIT4 is upregulated at the transcriptional level. DDIT4 negatively regulates the mammalian target of Rapamycin, a serine/threonine kinase often referred to as mTOR. It is crucial in the coupling of extra- and intracellular cues to mTOR regulation. Recombinant human DDIT4 protein, fused to

Target Details

	His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: DNA damage-inducible transcript 4 protein, Dig2, FLJ20500, REDD1, RP11-442H21.1, RTP801. NCBI no.: NP_061931
Molecular Weight:	27.5 kDa (252aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
Pathways:	Neurotrophin Signaling Pathway, Regulation of Carbohydrate Metabolic Process

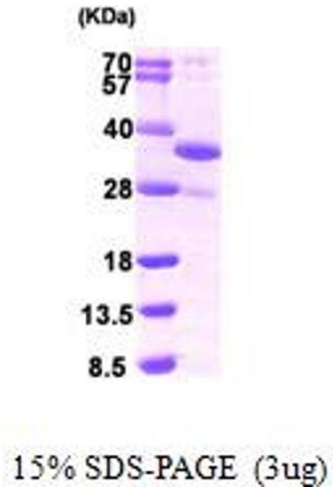
Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/ml (determined by Bradford assay)
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 5mM DTT, 1mM EDTA, 30% glycerol
Storage:	4 °C

Images



SDS-PAGE

Image 1.