

# Recombinant Human DDIT4

Catalog No: #GP11450



Package Size: #GP11450-1 100ug

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## Description

Product Name	Recombinant Human DDIT4
Brief Description	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	DNA-damage-inducible transcript 4
Other Names	Dig2; REDD1; REDD-1
Accession No.	Swissprot:Q9NX09Gene Accession:BC007714
Uniprot	Q9NX09
GeneID	54541;
Storage	-20~-80°C, pH 7.6 PBS

## Background

REDD-1, also designated DNA-damage-inducible transcript 4, dig2 or RTP801, is thought to function in the regulation of reactive oxygen species (ROS). REDD-1 expression has also been linked to apoptosis, Ab toxicity and the pathogenesis of ischemic diseases. As an HIF-1-responsive gene, REDD-1 exhibits strong hypoxia-dependent upregulation in ischemic cells of neuronal origin. In response to stress due to DNA damage and glucocorticoid treatment, REDD-1 is upregulated at the transcriptional level. REDD-1 negatively regulates the mammalian target of Rapamycin (mTOR), a serine/threonine kinase often referred to as FRAP. It is crucial in the coupling of extra- and intracellular cues to FRAP regulation. The absence of REDD-1 is associated with the development of retinopathy, a major cause of blindness.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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