

Recombinant Human DDI1

Catalog No: #GP12863



Package Size: #GP12863-1 100ug

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Description

Product Name	Recombinant Human DDI1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 197-396 amino acids of human DDI1
Target Name	DNA damage inducible 1 homolog 1
Accession No.	Swissprot:Q8WTU0Gene Accession:BC022017
Uniprot	Q8WTU0
GeneID	414301;
Storage	-20~-80°C, pH 7.6 PBS

Background

DDI1 and DDI2 are ubiquitin receptor homologs of the *Saccharomyces cerevisiae* *ddi1* protein, which is involved in regulation of the cell cycle and the late secretory pathway. DDI1 is a 396 amino acid protein that contains one ubiquitin-like domain. The gene encoding DDI1 maps to human chromosome 11, which makes up around 4% of human genomic DNA and is considered a gene and disease association dense chromosome. The chromosome 11 encoded *Atm* gene is important for regulation of cell cycle arrest and apoptosis following double strand DNA breaks. *Atm* mutation leads to the disorder known as ataxia-telangiectasia. The blood disorders Sickle cell anemia and thalassemia are caused by *HBB* gene mutations. Wilms' tumors, WAGR syndrome and Denys-Drash syndrome are associated with mutations of the *WT1* gene.

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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