

Datasheet for ABIN7561218  
**DDI1 Protein (AA 1-408) (His tag)**



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## Overview

Quantity:	1 mg
Target:	DDI1
Protein Characteristics:	AA 1-408
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DDI1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Ddi1 Protein expressed in mammalian cells.
Sequence:	<p>MLITVYCVRR DLTEVTFSLQ VNPDFELSNF RVLCELESGV PAEEAQIVYM EQLLTDDHCS LGSYGLKGDG MVLLQKDNV GLRTPGRTPN HPRADFTGSG SAVPGTSSSR HPHQHQQHHYH HHQRIPSTQQ AHGLASGENM TFAQELDSPA LIRSMLLSNP HDLSLLKERN PALAEALLSG NLETFSQVLM EQQRERTLRE QEMFRLYSTN PFDQETQARI EEEIRQQNIE ENMNIAMEEA PESFGQVAML YINCKVNGHP LKAFVDSGAQ MTIMSQACAE RCNIMRLVDR RWGGVAKGVG TQRIMGRVHL AQIQIEGDFL QCSFSILEEQ PMDILLGLDM LRRHQCSIDL KKNVLVIGTT GSQTHFLPEG ELPLCAKLLS GTVQEESDR EVGGTIKHPV KGPRKKH <b>Sequence without tag.</b></p> <p><b>The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

## Product Details

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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### Grade:

custom-made

## Target Details

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### Target:

DDI1

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### Alternative Name:

Ddi1 ([DDI1 Products](#))

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### Background:

Protein DDI1 homolog 1 (EC 3.4.23.-),FUNCTION: Probable aspartic protease (By similarity). Seems to act as a proteasomal shuttle which links the proteasome and replication fork proteins like RTF2. Required, with DDI2, for cellular survival following replication stress. Together or redudantly with DDI2, removes RTF2 from stalled forks to allow cell cycle progression after replication stress and maintains genome integrity (By similarity).  
{ECO:0000250|UniProtKB:I7HUG0, ECO:0000250|UniProtKB:Q8WTU0}.

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### Molecular Weight:

45.7 kDa

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### UniProt:

[Q9DAF3](#)

## Application Details

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### Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months