

Datasheet for ABIN7547082  
**DDI2 Protein (AA 1-399) (His tag)**



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## Overview

Quantity:	1 mg
Target:	DDI2
Protein Characteristics:	AA 1-399
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DDI2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant DDI2 Protein expressed in mammalian cells.
Sequence:	<p>MLLTVCVRR DLSEVTFSLQ VDADFELHNF RALCELESGI PAAESQIVYA ERPLTDNHRS          LASYGLKDGD VVILRQKENA DPRPPVQFPN LPRIDFSSIA VPGTSSPRQR QPPGTQQSHS          SPGEITSSPQ GLDNPALLRD MLLANPHELS LLKERNPPLA EALLSGDLEK FSRVLVEQQQ          DRARREQERI RLFSADPFDL EAQAKIEEDI RQQNIEENMT IAMEEAPESF GQVVMLYINC          KVNHGHPVKAF VDSGAQMTIM SQACAERCNI MRLVDRRWAG IAKGVGTQKI IGRVHLAQVQ          IEGDFLPCSF SILEEQPMDM LLGLDMLKRH QCSIDLKKNV LVIGTTGSQT TFLPEGELPE          CARLAYGAGR EDVRPEEIAD QELAEALQKS AEDAERQKP <b>Sequence without tag. 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

### 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.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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## Target Details

Target:	DDI2
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Alternative Name:	DDI2 ( <a href="#">DDI2 Products</a> )
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Background:	Protein DDI1 homolog 2 (EC 3.4.23.-),FUNCTION: Aspartic protease that mediates the cleavage of NFE2L1/NRF1 at 'Leu-104', thereby promoting release of NFE2L1/NRF1 from the endoplasmic reticulum membrane (PubMed:27676298, PubMed:27528193). Ubiquitination of NFE2L1/NRF1 is a prerequisite for cleavage, suggesting that DDI2 specifically recognizes and binds ubiquitinated NFE2L1/NRF1 (PubMed:27528193). Seems to act as a proteasomal shuttle which links the proteasome and replication fork proteins like RTF2 (Probable). Required, with DDI1, for cellular survival following replication stress. Together or redudantly with DDI1, removes RTF2 from stalled forks to allow cell cycle progression after replication stress and maintains genome integrity (PubMed:29290612). {ECO:0000269 PubMed:27528193, ECO:0000269 PubMed:27676298, ECO:0000269 PubMed:29290612, ECO:0000305 PubMed:29290612}.
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Molecular Weight:	44.5 kDa
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UniProt:	<a href="#">Q5TDH0</a>
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## Application Details

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.
Restrictions:	For Research Use only

## Handling

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