

Datasheet for ABIN7561898
DDI2 Protein (AA 1-399) (His tag)



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Overview

Quantity:	1 mg
Target:	DDI2
Protein Characteristics:	AA 1-399
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DDI2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Ddi2 Protein expressed in mammalien cells.
Sequence:	<p>MLLTVYCVRR DLSEVTFSLQ VDADFELHNF RALCELESGI PAAESQIVYA ERPLTDNHRS</p> <p>LASYGLKDG D VVILRQKENA DPRPAVQFSN LPRIDFSSIA VPGTSNPQQR QLPRTQAQHS</p> <p>SPGEMASSPQ GLDNPALLRD MLLANPHEL S LLKERNPPLA EALLSGDLEK FSRVLVEQQQ</p> <p>DRARREQERI RLFSADPFDL EAQAKIEEDI RQQNIEENMT IAMEEAPESF GQVAMLYINC</p> <p>RVNGHPVKAF VDSGAQMTIM SQACAERCNI MRLVDRRWAG IAKGVGTQKI IGRVHLAQVQ</p> <p>IEGDFLACSF SILEEQPMDM LLGLDMLKRH QCSIDLKKNV LVIGTTGSQT TFLPEGELPE</p> <p>CARLAYGTGR EDIRPEEAD QELAEAIQKS AEDAERQKP Sequence without tag. The proposed</p> <p>Purification-Tag is based on experiences with the expression system, a different complexity</p> <p>of the protein could make another tag necessary. In case you have a special request, please</p> <p>contact us.</p>
Characteristics:	Key Benefits:

Product Details

- 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, Western Blot
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Grade:	custom-made
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Target Details

Target:	DDI2
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Alternative Name:	Ddi2 (DDI2 Products)
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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. Ubiquitination of NFE2L1/NRF1 is a prerequisite for cleavage, suggesting that DDI2 specifically recognizes and binds ubiquitinated NFE2L1/NRF1. Seems to act as a proteasomal shuttle which links the proteasome and replication fork proteins like RTF2. Required, with DDI1, for cellular survival following replication stress. Together or redundantly with DDI1, removes RTF2 from stalled forks to allow cell cycle progression after replication stress and maintains genome integrity. {ECO:0000250 UniProtKB:Q5TDH0}.
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Molecular Weight:	44.6 kDa
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UniProt:	A2ADY9
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

as well. 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
