Datasheet for ABIN7547018

DDX6 Protein (AA 1-483) (His tag)

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Overview

Quantity:	1 mg
Target:	DDX6
Protein Characteristics:	AA 1-483
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DDX6 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat DDX6 Protein expressed in mammalien cells.
Sequence:	MSTARTENPV IMGLSSQNGQ LRGPVKPTGG PGGGGTQTQQ QMNQLKNTNT INNGTQQQAQ SMTTTIKPGD DWKKTLKLPP KDLRIKTSDV TSTKGNEFED YCLKRELLMG IFEMGWEKPS PIQEESIPIA LSGRDILARA KNGTGKSGAY LIPLLERLDL KKDNIQAMVI VPTRELALQV SQICIQVSKH MGGAKVMATT GGTNLRDDIM RLDDTVHVVI ATPGRILDLI KKGVAKVDHV QMIVLDEADK LLSQDFVQIM EDIILTLPKN RQILLYSATF PLSVQKFMNS HLQKPYEINL MEELTLKGVT QYYAYVTERQ KVHCLNTLFS RLQINQSIIF CNSSQRVELL AKKISQLGYS CFYIHAKMRQ EHRNRVFHDF RNGLCRNLVC TDLFTRGIDI QAVNVVINFD FPKLAETYLH RIGRSGRFGH LGLAINLITY DDRFNLKSIE EQLGTEIKPI PSNIDKSLYV AEYHSEPVED EKP **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.**

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Product Details

Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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
Grade:	custom-made

Target Details

Target:	DDX6
Alternative Name:	DDX6 (DDX6 Products)
Background:	Probable ATP-dependent RNA helicase DDX6 (EC 3.6.4.13) (ATP-dependent RNA helicase p54) (DEAD box protein 6) (Oncogene RCK),FUNCTION: Essential for the formation of P-bodies, cytosolic membrane-less ribonucleoprotein granules involved in RNA metabolism through the coordinated storage of mRNAs encoding regulatory functions (PubMed:25995375, PubMed:27342281, PubMed:31422817). Plays a role in P-bodies to coordinate the storage of translationally inactive mRNAs in the cytoplasm and prevent their degradation (PubMed:27342281). In the process of mRNA degradation, plays a role in mRNA decapping (PubMed:16364915). Blocks autophagy in nutrient-rich conditions by repressing the expression of ATG-related genes through degradation of their transcripts (PubMed:26098573). {ECO:0000269|PubMed:16364915, ECO:0000269|PubMed:25995375, ECO:0000269|PubMed:26098573, ECO:0000269|PubMed:27342281, ECO:0000269|PubMed:31422817}.
Molecular Weight:	54.4 kDa

Target Details

UniProt:	P26196
Pathways:	Ribonucleoprotein Complex Subunit Organization

Application Details

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

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