

Datasheet for ABIN7547016
DDX23 Protein (AA 1-820) (His tag)



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Overview

Quantity:	1 mg
Target:	DDX23
Protein Characteristics:	AA 1-820
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DDX23 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat DDX23 Protein expressed in mammalian cells.
Sequence:	<p>MAGELADKKD RDASPSKEER KRSRTPDRER DRDRDRKSSP SKDRKRHRSR DRRRGGSRSR SRSRSKSAER ERRHKERERD KERDRNKKDR DRDKDGHRRD KDRKRSSLSP GRGKDFKSRK DRDSKKDEED EHGDKKPKAQ PLSLEELLAK KKAEEEEAEAK PKFLSKAERE AEALKRRQQE VEERQRMLEE ERKKRKQFQD LGRKMLEDPO ERERRERRER MERETNGNED EEGRQKIREE KDKSKELHAI KERYLGGIKK RRRTRHLNDR KFVFEWDASE DTSIDYNPLY KERHQVQLLG RGFAGIDLK QQKREQSRFY GDLMEKRRTL EEKEQEEARL RKLKRKEAKQ RWDDRHWWSQK KLDEMTDRDW RIFREDYSIT TKGKIPNPI RSWKDSSLPP HILEVIDKCG YKEPTPIQRQ AIPIGLQNRD IIGVAETGSG KTA AFLIPLL VWITLPLKID RIEESDQGPY AILAPTREL AQQIEETIK FGKPLGIRTV AVIGGISRED QGFRLRMGCE IVIATPGR LI DVLENRYLVL SRCTYVVLDE ADRMIDMGFE PDVQKILEHM PVSNQKPD TD EAEDPEKMLA NFESGKHKYR QTMFTATMP PAVERLARSY LRRPAVVYIG SAGK PHERVE QKVFLMSESE KRKKLLAILE QGFDPPPIIF</p>

Product Details

VNQKKGCDVL AKSLEKMGYN ACTLHGGKGQ EQREFALSNL KAGAKDILVA TDVAGRGIDI
QDVSMVVNYD MAKNIEDYIH RIGRTGRAGK SGVAITFLTK EDSAVFYELK QAILESPVSS
CPPELANHPD AQHKPGTILT KKRREETIFA **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

DDX23

Alternative Name:

DDX23 ([DDX23 Products](#))

Background:

Probable ATP-dependent RNA helicase DDX23 (EC 3.6.4.13) (100 kDa U5 snRNP-specific protein) (DEAD box protein 23) (PRP28 homolog) (U5-100kD),FUNCTION: Involved in pre-mRNA splicing and its phosphorylated form (by SRPK2) is required for spliceosomal B complex formation (PubMed:18425142). Independently of its spliceosome formation function, required for the suppression of incorrect R-loops formed during transcription, R-loops are composed of a DNA:RNA hybrid and the associated non-template single-stranded DNA (PubMed:28076779). {ECO:0000269|PubMed:18425142, ECO:0000269|PubMed:28076779}.

Target Details

Molecular Weight:	95.6 kDa
UniProt:	Q9BUQ8
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