

Datasheet for ABIN3092104

DHX8 Protein (AA 1-1220) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	DHX8
Protein Characteristics:	AA 1-1220
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DHX8 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p>MAVAVAMAGA LIGSEPGPAE ELAKLEYLSL VSKVCTELDN HLGINDKDLA EFVISLAEKN</p> <p>TTFDTFKASL VKNGAEFTDS LISNLLRLIQ TMRPPAKPST SKDPVVKPKT EKEKLKELFP</p> <p>VLCQPDNPSV RTMLDEDDVK VAVDVLKELE ALMPSAAGQE KQRDAEHRDR TTKKKRSRSR</p> <p>DRNRDRDRDR ERNRDRDHKR RHRRSRSRSR RTRERNKVKS RYRSRSRSQS PPKDRKDRDK</p> <p>YGERNLDRWR DKHVDRPPPE EPTIGDIYNG KVTSIMQFGC FVQLEGLRKR WEGLVHISEL</p> <p>RREGRVANVA DVVSKGQRVK VKVLSFTGTK TSLSMKDVDQ ETGEDLNPNR RRNLVGETNE</p> <p>ETSMRNPDRP THLSLVSAPE VEDDSLKERK LTRISDPEKW EIKQMIAANV LSKEEFPDFD</p> <p>EETGILPKVD DEEDEDLEIE LVEEEPPFLR GHTKQSMDS PIKIVKNPDG SLSQAAMMQS</p> <p>ALAKERRELK QAQREAEMDS IPMGLNKHVV DPLPDAEGRQ IAANMRGIGM MPNDIPEWKK</p> <p>HAFGGNKASY GKKTQMSILE QRESLPIYKL KEQLVQAVHD NQILVIGET GSGKTTQITQ</p> <p>YLAEAGYTSR GKIGCTQPRR VAAMSVAKRV SEEFGCCLGQ EVGYTIRFED CTSPETVIKY</p>

MTDGMILLREC LIDPDLTQYA IIMLDEAHER TIHTDVLFLGL LKKTQVQRQD MKLIVTSATL
DAVKFSQYFY EAPIFTIPGR TYPVEILYTK EPETDYLDAS LITVMQIHIL EPPGDILVFL
TGQEEIDTAC EILYERMKSL GPDVPELIIL PVYSALPSEM QTRIFDPAPP GSRKVVIATN
IAETSLTIDG IYYVVDPGFV KQKVYNSTKG IDQLVVTPI SQAQAKQRAGR AGRTGPGKCY
RLYTERAYRD EMLTTNVPEI QRTNLA S T V L SLKAMGINDL LSFDFMDAPP METLITAMEQ
LYTLGALDDE GLLTRLGRRM AEFPLEPMLC KMLIMSVHLG CSEEMLTIVS MLSVQNVFYR
PKDKQALADQ KKAKFHQTEG DHLTLLAVYN SWKNNKFSNP WCYENFIQAR SLRRAQDIRK
QMLGIMDRHK LDVVSCGKST VRVQKAICSG FFRNAAKKDP QEGYRTLIDQ QVVYIHPSSA
LFNRQPEWVV YHELVLT TKE YMREVT TIDP RWLVEFAPAF FKVSDPTKLS KQKKQQRLEP
LYNRYEEPNA WRISRAFRRR

Sequence without tag. The proposed Strep-Tag is based on experience s 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 in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Product Details

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the ExPASy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	DHX8
Alternative Name:	DHX8 (DHX8 Products)
Background:	ATP-dependent RNA helicase DHX8 (EC 3.6.4.13) (DEAH box protein 8) (RNA helicase HRH1),FUNCTION: Involved in pre-mRNA splicing as component of the spliceosome (PubMed:11991638, PubMed:28502770, PubMed:28076346). Facilitates nuclear export of spliced mRNA by releasing the RNA from the spliceosome (PubMed:8608946). {ECO:0000269 PubMed:11991638, ECO:0000269 PubMed:28076346, ECO:0000269 PubMed:28502770, ECO:0000269 PubMed:8608946}.
Molecular Weight:	139.3 kDa
UniProt:	Q14562

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.
Comment:	ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications. During lysate production, the cell wall and other cellular components that are not required for

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Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol Might differ depending on protein.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months