Datasheet for ABIN3093378

KIF15 Protein (AA 1-1388) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	KIF15
Protein Characteristics:	AA 1-1388
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIF15 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MAPGCKTELR SVTNGQSNQP SNEGDAIKVF VRIRPPAERS GSADGEQNLC LSVLSSTSLR LHSNPEPKTF TFDHVADVDT TQESVFATVA KSIVESCMSG YNGTIFAYGQ TGSGKTFTMM GPSESDNFSH NLRGVIPRSF EYLFSLIDRE KEKAGAGKSF LCKCSFIEIY NEQIYDLLDS ASAGLYLREH IKKGVFVVGA VEQVVTSAAE AYQVLSGGWR NRRVASTSMN RESSRSHAVF TITIESMEKS NEIVNIRTSL LNLVDLAGSE RQKDTHAEGM RLKEAGNINR SLSCLGQVIT ALVDVGNGKQ RHVCYRDSKL TFLLRDSLGG NAKTAIIANV HPGSRCFGET LSTLNFAQRA KLIKNKAVVN EDTQGNVSQL QAEVKRLKEQ LAELASGQTP PESFLTRDKK KTNYMEYFQE AMLFFKKSEQ EKKSLIEKVT QLEDLTLKKE KFIQSNKMIV KFREDQIIRL EKLHKESRGG FLPEEQDRLL SELRNEIQTL REQIEHHPRV AKYAMENHSL REENRRLRLL EPVKRAQEMD AQTIAKLEKA FSEISGMEKS DKNQQGFSPK AQKEPCLFAN TEKLKAQLLQ IQTELNNSKQ EYEEFKELTR KRQLELESEL QSLQKANLNL ENLLEATKAC KRQEVSQLNK IHAETLKIIT

TPTKAYQLHS RPVPKLSPEM GSFGSLYTQN SSILDNDILN EPVPPEMNEQ AFEAISEELR TVQEQMSALQ AKLDEEEHKN LKLQQHVDKL EHHSTQMQEL FSSERIDWTK QQEELLSQLN VLEKQLQETQ TKNDFLKSEV HDLRVVLHSA DKELSSVKLE YSSFKTNQEK EFNKLSERHM HVQLQLDNLR LENEKLLESK ACLQDSYDNL QEIMKFEIDQ LSRNLQNFKK ENETLKSDLN NLMELLEAEK ERNNKLSLQF EEDKENSSKE ILKVLEAVRQ EKQKETAKCE QQMAKVQKLE ESLLATEKVI SSLEKSRDSD KKVVADLMNQ IQELRTSVCE KTETIDTLKQ ELKDINCKYN SALVDREESR VLIKKQEVDI LDLKETLRLR ILSEDIERDM LCEDLAHATE QLNMLTEASK KHSGLLQSAQ EELTKKEALI QELQHKLNQK KEEVEQKKNE YNFKMRQLEH VMDSAAEDPQ SPKTPPHFQT HLAKLLETQE QEIEDGRASK TSLEHLVTKL NEDREVKNAE ILRMKEQLRE MENLRLESQQ LIEKNWLLQG QLDDIKRQKE NSDQNHPDNQ QLKNEQEESI KERLAKSKIV EEMLKMKADL EEVQSALYNK EMECLRMTDE VERTQTLESK AFQEKEQLRS KLEEMYEERE RTSQEMEMLR KQVECLAEEN GKLVGHQNLH QKIQYVVRLK KENVRLAEET EKLRAENVFL KEKKRSES

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

Product Details

	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! 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:	KIF15
Alternative Name:	KIF15 (KIF15 Products)
Background:	Kinesin-like protein KIF15 (Kinesin-like protein 2) (hKLP2) (Kinesin-like protein 7) (Serologically defined breast cancer antigen NY-BR-62),FUNCTION: Plus-end directed kinesin-like motor enzyme involved in mitotic spindle assembly. {ECO:0000250}.
Molecular Weight:	160.2 kDa
UniProt:	Q9NS87

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 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.

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	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!
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