Datasheet for ABIN3091857

CLUH Protein (AA 1-1309) (Strep Tag)

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Overview

Quantity:	1 mg
Target:	CLUH
Protein Characteristics:	AA 1-1309
Origin:	Human
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLUH protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence:	MLLNGDCPES LKKEAAAAEP PRENGLDEAG PGDETTGQEV IVIQDTGFSV KILAPGIEPF SLQVSPQEMV QEIHQVLMDR EDTCHRTCFS LHLDGNVLDH FSELRSVEGL QEGSVLRVVE EPYTVREARI HVRHVRDLLK SLDPSDAFNG VDCNSLSFLS VFTDGDLGDS GKRKKGLEMD PIDCTPPEYI LPGSRERPLC PLQPQNRDWK PLQCLKVLTM SGWNPPPGNR KMHGDLMYLF VITAEDRQVS ITASTRGFYL NQSTAYHFNP KPASPRFLSH SLVELLNQIS PTFKKNFAVL QKKRVQRHPF ERIATPFQVY SWTAPQAEHA MDCVRAEDAY TSRLGYEEHI PGQTRDWNEE LQTTRELPRK NLPERLLRER AIFKVHSDFT AAATRGAMAV IDGNVMAINP SEETKMQMFI WNNIFFSLGF DVRDHYKDFG GDVAAYVAPT NDLNGVRTYN AVDVEGLYTL GTVVVDYRGY RVTAQSIIPG ILERDQEQSV IYGSIDFGKT VVSHPRYLEL LERTSRPLKI LRHQVLNDRD EEVELCSSVE CKGIIGNDGR HYILDLLRTF PPDLNFLPVP GEELPEECAR AGFPRAHRHK LCCLRQELVD AFVEHRYLLF MKLAALQLMQ QNASQLETPS SLENGGPSSL ESKSEDPPGQ EAGSEEEGSS ASGLAKVKEL AETIAADDGT DPRSREVIRN ACKAVGSISS TAFDIRFNPD

IFSPGVRFPE SCQDEVRDQK QLLKDAAAFL LSCQIPGLVK DCMEHAVLPV DGATLAEVMR QRGINMRYLG KVLELVLRSP ARHQLDHVFK IGIGELITRS AKHIFKTYLQ GVELSGLSAA ISHFLNCFLS SYPNPVAHLP ADELVSKKRN KRRKNRPPGA ADNTAWAVMT PQELWKNICQ EAKNYFDFDL ECETVDQAVE TYGLQKITLL REISLKTGIQ VLLKEYSFDS RHKPAFTEED VLNIFPVVKH VNPKASDAFH FFQSGQAKVQ QGFLKEGCEL INEALNLFNN VYGAMHVETC ACLRLLARLH YIMGDYAEAL SNQQKAVLMS ERVMGTEHPN TIQEYMHLAL YCFASSQLST ALSLLYRARY LMLLVFGEDH PEMALLDNNI GLVLHGVMEY DLSLRFLENA LAVSTKYHGP KALKVALSHH LVARVYESKA EFRSALQHEK EGYTIYKTQL GEDHEKTKES SEYLKCLTQQ AVALQRTMNE IYRNGSSANI PPLKFTAPSM ASVLEQLNVI NGILFIPLSQ KDLENLKAEV ARRHQLQEAS RNRDRAEEPM ATEPAPAGAP GDLGSQPPAA KDPSPSVQG

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!

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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:	> 80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).

Target Details

Target:	CLUH
Alternative Name:	CLUH (CLUH Products)
Background:	Clustered mitochondria protein homolog,FUNCTION: mRNA-binding protein involved in proper cytoplasmic distribution of mitochondria. Specifically binds mRNAs of nuclear-encoded mitochondrial proteins in the cytoplasm and regulates transport or translation of these transcripts close to mitochondria, playing a role in mitochondrial biogenesis. {ECO:0000255|HAMAP-Rule:MF_03013, ECO:0000269|PubMed:25349259}.
Molecular Weight:	146.7 kDa
UniProt:	O75153

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. 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

Application Details

	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. If you have a special request, please contact us.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

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