

Datasheet for ABIN3135784

HLTF Protein (AA 1-1003) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	HLTF
Protein Characteristics:	AA 1-1003
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HLTF protein is labelled with Strep Tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), ELISA

Product Details

Brand:	ALiCE®
Sequence:	<p>MSYTFTRGPV WKYSQSVQYG SHENIPRLSY STFLPHFEFQ DIIPPDDFLT SDEEQDLVLF</p> <p>GTMRGQVVGL RYYTGVVNNN EMVALQREP NPYDKNAIKV NNVNGNQVGH IKREIAAAVA</p> <p>YIMDNKLAQV EGVVPFGASN TFTMPLYMTF WGKEENRN VV LEQLKKHGFK LGPTPKTLGS</p> <p>SLENAWGSGR AGPSYSRPAH VAVQMTTDQL KTEFDKLFED LKEDDRTVEM EPAEAIETPL</p> <p>LPHQKQALAW MIARENSKEL PPFWEQRNDL YYNTITNFSV KERPENVHGG ILADDMGLGK</p> <p>TLTAIAVILT NFDDGRPLLS KRGKKNHPGK EYKDETIKRR GSNMDKKEDG HSESSTCGEE</p> <p>PSISGTPEKS SCTLSQLSSV CPKRRKISVQ YIESSDSEEI ETSERPQMKM GKLKNVQLNT</p> <p>KSRVKGSSKV KEDSKFALTF FASATQRKML KKGMSMMECS EACDTGERTR ATLIICPLSV</p> <p>LSNWIDQFGQ HVKSEVHLNF YVYYPDRIR DSAWLSKQDI ILTTYNILTH DYGTKDDSP</p> <p>LSNWIDQFGQ HVKSEVHLNF YVYYPDRIR DSAWLSKQDI ILTTYNILTH DYGTKDDSP</p> <p>HSIKWLRVIL DEGHAI RNPN AQQTKAVLEL EAERRWVLTG TPIQNSLKDL WSLLSFLKLK</p> <p>PFIDREWWYR IIQRPVTTGD EGGLRRLQSL IKNITLRRTK TSKIKGKPV L ELPERKVFIQ</p>

HITLSEEERK IYQSVKNEGK AAIGRYFTEG TVLAHYADVL GLLLRLRQIC CHTHLLTNGM
SSSGPSRSDT PEELRKMLIE KMKIILSSGS DEECAICLDS LTFPVITHCA HVFCKPCICQ
VIHSEQPHAK CPLCRNEIHG DNLLECPPEE LACDSDKESS MEWKSSSKIN ALMHALIELR
TKDPNIKSLV VSQFTTFLSL IETPLKASGF VFTRLDGSMA QKKRVESIQR FQNTAEGSPT
IMLLSLKAGG VGLNLCAASR VFLMDPAWNP AAEDQCFDRC HRLGQKQEV IITKFIVKDSV
EENMLKIQNT KRDLAAGAFG TKKTDANDMK QAKINEIRTL IDL

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!

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.

Product Details

- 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: HLTF

Alternative Name: Hltf ([HLTF Products](#))

Background: Helicase-like transcription factor (EC 2.3.2.27) (EC 3.6.4.-) (P113) (RING-type E3 ubiquitin transferase HLTF) (SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 3) (Sucrose nonfermenting protein 2-like 3) (TNF-response element-binding protein),FUNCTION: Has both helicase and E3 ubiquitin ligase activities. Possesses intrinsic ATP-dependent nucleosome-remodeling activity. This activity may be required for transcriptional activation or repression of specific target promoters (By similarity). These may include the SERPINE1, to which this protein can bind directly. Plays a role in error-free postreplication repair (PRR) of damaged DNA and maintains genomic stability through acting as a ubiquitin ligase for 'Lys-63'-linked polyubiquitination of chromatin-bound PCNA (By similarity). {ECO:0000250, ECO:0000269|PubMed:9126292, ECO:0000269|PubMed:9427542}.

Molecular Weight: 113.3 kDa

UniProt: [Q6PCN7](#)

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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Application Details

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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