

Datasheet for ABIN3115575

## HEATR8 Protein (AA 1-1323) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	HEATR8
Protein Characteristics:	AA 1-1323
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HEATR8 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AliCE®
Sequence:	<p>MALSPGANLV FHEDPKMTPS PPSCGAPGLG SGTIPQPHPD MAQVPMLNLL PSPGLALVPD</p> <p>LNDLSPVSG EASGLVSENT PRPDDSRAIA PASLQITSSC SGEALDLDSK DVSRPDSQGR</p> <p>LCPASNPILS PSSTEAPRLS SGNHPQSNSE DAFKCLSSKI FKLQQRNSNP SRHELNPFIR</p> <p>HHSREGLVLG HCISRPSSKA LLIPTSNSSL DLDSNPLLNM GSRNTSKLNL NVAPDSHGTL</p> <p>IPDTNETITL ASHNISESVS KGAFSTTWST SSKETMNVAS SGHSRSDLSV TITQASYVTI</p> <p>IPGSSYGISL HSSTHEPNST ISPPSCMTLI LGSNETLSLD SLLFSDTST LTLSSQQDDA</p> <p>KDNSIHTVPL EENLESWSEM ASIKVGQFPL GFPISNPAGK DAVTLQGIPE GAFDEVTSCL</p> <p>VKVPEKTEGG NNMALVENVT TLQKSQDLLE AEGEKKTMK KIMRQIQEEP LDSLSSSVRK</p> <p>QAMEILTQLS HTQPTLGMRE RSELVNVCVH SVFSLPSVQA MQEKDEAKAE TIQALYHQT</p> <p>EALQTLLKAL FIEDPTAGL KSILEALGPW MNSGKAHERA RAVNTNVSVL NHMLLTLPFF</p> <p>MPLGFPALGL LLGRILHIG DPDEEIGCEA LDGIILYTI LELQKRARDK EETNKKELYE</p>

SNKHFLGPYN PVSPCQNILR VIEFGDFLG PQQIKDLLLL ALEGLKGSSE APGKDSREMM  
QLASEVMLSS VLEWYRHRAL EUIPEIMQGI YMLSHIQEP RARQVALLPV SLLASSFMTE  
VVVALLMCPL PLNSNGAEMW RQLILCKPSC DVRDLLDLLL GSLKEKPVTK EGRASIVPLA  
AASGLCELLS VNSCMGRVRR IYPQLLLALL IQVHYHIGLN LPGCVAPPKD TKKGAQSPF  
VPVRWVVKV KTLRLMGCS YETTFLEDQG GWELMEQVES HHRGVALLAR AMVQYSCQEL  
CRILYLLIPL LERGDEKHRI TATAFFVELL QMEQVRRRIPE EYSLGRMAEG LSHHDPIMKV  
LSIRGLVILA RRSEKTAKVK ALLPSMVKGL KNMDGMLVVE AVHNLKAVFK GRDQKLMDSA  
VYVEMLQILL PHFSDAREVV RSSCINLYGK VVQKLRAAPT QAMEEQLVST LVPLLLTMQE  
GNSKVSQKCV KTLRLCSYFM AWELPKRAYS RKPWDNQQQT VAKICKCLVN THRDSAFIFL  
SQSLEYAKNS RASLRKCSVM FIGSLVPCME SIMTEDRLNE VKAALDNLRH DPEASVCIYA  
AQVQDHILAS CWQNSWLPHG NSWVCYSATT HRWSPSCENL PTSHQRRSWI MQALGSKWMS  
LKK

**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.**

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### 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

## Product Details

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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

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Target:	HEATR8
Alternative Name:	MROH7 ( <a href="#">HEATR8 Products</a> )
Background:	Maestro heat-like repeat-containing protein family member 7 (HEAT repeat-containing protein 8)
Molecular Weight:	145.6 kDa
UniProt:	<a href="#">Q68CQ1</a>

## Application Details

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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:	<p>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.</p> <p>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</p>

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 <b>Might differ depending on protein.</b>
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months