

Datasheet for ABIN3130844

## HEATR8 Protein (AA 1-1279) (Strep Tag)



[Go to Product page](#)

### Overview

Quantity:	250 µg
Target:	HEATR8
Protein Characteristics:	AA 1-1279
Origin:	Mouse
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> MALSRGTS LI LHEDPEKIPS PNSCEVPGIM SNTTPRPTPD LALAPPEHA LALTPALHPA  LSPDPEGVSG PVSNDIPSHN ASGATTPSST QINTVDTADQ GLNHTSGPDA AGTLCPSQSP  ARIPSSTQAN VLSPENSSRP CSEDVSKSFS SKVFG LGQSN SNPSRPEPNL YIKALSREAL  VRSHNISRQG SQVPLLLPSN TSLDRLHSGN ISKVN LGIAP NSNEAITLTS HTIFASISKE  ALSAPWNTGS KGSINGTSTI QPRSG LNVTV THASHVSMIP GSSEGLSLQS SARVPNSTLS  PSSCMTLIMD SESPSMDSSF LVTDTSTLTL SSHRDYSEDN SIRTMPLEEN LGKWDSLQGV  TALQSPPEGT SEDVKVNEAE KRNHDNKAAL VANIITYQKN QEMVEMKEEK EATVKMMMRQ  IQEEPLDLL SPARRQAMEI LAQLSHTKPI LSVRERVELV NTCVRSVFS LPSVQAMQEKD  ESKAEVIQIL YYQTLDSLQK LLNALFIEDP TPTGLKSILE PLGPWMNSGK AHERARAVNS  NVSVLNHTLV TLPFLISSGF PTLGLLLGRL LLRIGDPDEE IGREALDGIT ILYTILDQK  RTKNKEDTNK KELYENNKRF LGPYNPVSPC QNILRVIAEF GDFLGPQQVR DLLLALEGL </p>

KGISETQGKD SGEMMQLASE VMLSSVLEWY RHRALEVIPE IMQGIYMLT HIQEPRAREV  
ALLPISFLAS SFMTEVVVAL LMCPLPLDSN GAEMWRQLIL RKPSCDVRDL LDLLTSLKE  
KPVTKKGRAS IVPLAAASGL CELLSVNSCV GRVRRIPYQL LLALLIQVHY HIGLNLPSRM  
APRKDSKDDT QPPLFIPVRW MVKVVKTLTL KMGCSYESAF LEEQGGWELM GQAESHYRGV  
SLLARAMVHY SCQELCRILY LLIPLLERGD ERHKITATAF FVELFRMEQV RRIPEEYSLG  
RMVEGLSHRD PIMNVLSIRG LVILACKSEK MAKVQSLGPS MVKSLKNMDG MLVVEAVHDL  
KRIFKGQKK LTDSAVYVEM LQILLPHFTD AREMVRASCI NVYGKVVKKL QTPRTQAMEE  
QLTSTLMPLL FIIQEGNAKV SQKCVKTLVC CSSFMNWELP KKAYSQKPWD NQQLTVTKIC  
KYLVSSTRDN VFTFLNQSL YAKNSRASLR KSSVIFIGSL VPCMENMMTE ERLNEVKATL  
EILRHDPEAS VCICAAQAQD QIMATCWRNS WPLLYGDSWV CDPSSMHRWS PSCENLPTSH  
QRRSWIMQAL ASWKMSLKQ

**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 -

## Product Details

---

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:	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:	141.7 kDa
UniProt:	<a href="#">A2AVR2</a>

## 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:	<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 components needed for protein production (amino acids, cofactors, etc.) are added to produce</p>

Application Details

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