Datasheet for ABIN3092880

HECW2 Protein (AA 1-1572) (Strep Tag)

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Overview

Quantity:	1 mg
Target:	HECW2
Protein Characteristics:	AA 1-1572
Origin:	Human
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HECW2 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Sequence:	MASSAREHLL FVRRRNPQMR YTLSPENLQS LAAQSSMPEN MTLQRANSDT DLVTSESRSS LTASMYEYTL GQAQNLIIFW DIKEEVDPSD WIGLYHIDEN SPANFWDSKN RGVTGTQKGQ IVWRIEPGPY FMEPEIKICF KYYHGISGAL RATTPCITVK NPAVMMGAEG MEGGASGNLH SRKLVSFTLS DLRAVGLKKG MFFNPDPYLK MSIQPGKKSS FPTCAHHGQE RRSTIISNTT NPIWHREKYS FFALLTDVLE IEIKDKFAKS RPIIKRFLGK LTIPVQRLLE RQAIGDQMLS YNLGRRLPAD HVSGYLQFKV EVTSSVHEDA SPEAVGTILG VNSVNGDLGS PSDDEDMPGS HHDSQVCSNG PVSEDSAADG TPKHSFRTSS TLEIDTEELT STSSRTSPPR GRQDSLNDYL DAIEHNGHSR PGTATCSERS MGASPKLRSS FPTDTRLNAM LHIDSDEEDH EFQQDLGYPS SLEEEGGLIM FSRASRADDG SLTSQTKLED NPVENEEAST HEAASFEDKP ENLPELAESS LPAGPAPEEG EGGPEPQPSA DQGSAELCGS QEVDQPTSGA DTGTSDASGG SRRAVSETES LDQGSEPSQV SSETEPSDPA RTESVSEAST RPEGESDLEC ADSSCNESVT TQLSSVDTRC SSLESARFPE TPAFSSQEEE DGACAAEPTS SGPAEGSQES VCTAGSLPVV QVPSGEDEGP

GAESATVPDQ EELGEVWQRR GSLEGAAAAA ESPPQEEGSA GEAQGTCEGA TAQEEGATGG SQANGHQPLR SLPSVRQDVS RYQRVDEALP PNWEARIDSH GRIFYVDHVN RTTTWQRPTA PPAPQVLQRS NSIQQMEQLN RRYQSIRRTM TNERPEENTN AIDGAGEEAD FHQASADFRR ENILPHSTSR SRITLLLQSP PVKFLISPEF FTVLHSNPSA YRMFTNNTCL KHMITKVRRD THHFERYQHN RDLVGFLNMF ANKQLELPRG WEMKHDHQGK AFFVDHNSRT TTFIDPRLPL QSSRPTSALV HRQHLTRQRS HSAGEVGEDS RHAGPPVLPR PSSTFNTVSR PQYQDMVPVA YNDKIVAFLR QPNIFEILQE RQPDLTRNHS LREKIQFIRT EGTPGLVRLS SDADLVMLLS LFEEEIMSYV PPHALLHPSY CQSPRGSPVS SPQNSPGTQR ANARAPAPYK RDFEAKLRNF YRKLETKGYG QGPGKLKLII RRDHLLEDAF NQIMGYSRKD LQRNKLYVTF VGEEGLDYSG PSREFFFLVS RELFNPYYGL FEYSANDTYT VQISPMSAFV DNHHEWFRFS GRILGLALIH QYLLDAFFTR PFYKALLRIL CDLSDLEYLD EEFHQSLQWM KDNDIHDILD LTFTVNEEVF GQITERELKP GGANIPVTEK NKKEYIERMV KWRIERGVVQ QTESLVRGFY EVVDARLVSV FDARELELVI AGTAEIDLSD WRNNTEYRGG YHDNHIVIRW FWAAVERFNN EQRLRLLQFV TGTSSIPYEG FASLRGSNGP RRFCVEKWGK ITALPRAHTC FNRLDLPPYP SFSMLYEKLL TAVEETSTFG LE

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 by multi-step, protein-specific process to ensure correct folding and modification.
- 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 will ensure that you receive a correctly folded 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-

Product Details

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 in several dilutions and is measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	Two step purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®): 1. In a first purification step, the protein is purified from the cleared cell lysate using StrepTag capture material. Eluate fractions are analyzed by SDS-PAGE. 2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>80 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Endotoxin Level:	Low Endotoxin less than 1 EU/mg (< 0.1 ng/mg)

Target Details

Target:	HECW2
Alternative Name:	HECW2 (HECW2 Products)
Background:	E3 ubiquitin-protein ligase HECW2 (EC 2.3.2.26) (HECT, C2 and WW domain-containing protein 2) (HECT-type E3 ubiquitin transferase HECW2) (NEDD4-like E3 ubiquitin-protein ligase 2),FUNCTION: E3 ubiquitin-protein ligase that mediates ubiquitination of TP73. Acts to stabilize TP73 and enhance activation of transcription by TP73 (PubMed:12890487). Involved in the regulation of mitotic metaphase/anaphase transition (PubMed:24163370). {ECO:0000269|PubMed:12890487, ECO:0000269|PubMed:24163370}.
Molecular Weight:	175.8 kDa

Target Details

UniProt:	Q9P2P5

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 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)

