

Datasheet for ABIN3136167

ERCC6L Protein (AA 1-1240) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	ERCC6L
Protein Characteristics:	AA 1-1240
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERCC6L protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	<p>MEASQGLAEV ETLSPQLAES YLRYVQEAKE AAKNGDLEES LKLFNLAKDI FPTKKVMSRI</p> <p>QKLQEALEQL AEEEDDDEFI DVCSSGLLLY RELYEKLFEH QKEGIAFLYS LYKDGRKGGI</p> <p>LADDMGLGKT VQIIAFLSGM FDASLVNHVL LIMPTNLINT WVNEFAKWTP GMRVKTFHGS</p> <p>SKSERTRSLT RIQQRNGVVI TTYQMLLNNW QQLASFNGQA FVWDYVILDE AHKIKSASTK</p> <p>SAVCARAIPA SNRLLLTGTP VQNNLQELWS LDFACQGS LGLTKTFKME YEHPIIRARE</p> <p>KDATPGEKAL GLKISENLME IIKPYFLRRT KEEVQTKKAD NPEARLGEKN PAGEAICDMF</p> <p>SLARKNDLIV WIRLLPLQEE IYRKVSLDH IKELLMETRS PLAELGVLKK LCDHPRLLSA</p> <p>RACRLNLGT ATFSAQDENE QEDVSNMNSI DHLPDKTLIQ ESGKMIFLMS LLERLQDEGH</p> <p>QTLVFSQSIK ILNIIERLLK NKHFKTLRID GTVTHLWERE KRIQLFQQNK EYSVFLTTQ</p> <p>VGGVGLTLTA ATRVVIFDPS WNPATDAQAV DRVYRIGQKE NVVVYRLITC GTVEEKIYRR</p> <p>QVFKDSLIRQ TTGEKKNPFR YFTKQELKEL FTVGDLQKSA TQMQLQCLHA AQRRSDEKLD</p>

EHIAYLHLLG IAGISDHDL M FTRDL SVKEE LDMLEDSQYI HQRVQKAQFL VESESQNTVQ
RQTTGIEETW LKAQEFPSQQ KKKGTEFNKP QPQPSRLLTK PTQVEAISSQ MASITICDQS
AESEPQEHSE VHDVTS LQGS HHFNSTSDAG TIASLPQGAE SIGEVSTDSL LSPAKGFAAE
NDAMQKKGLQ ASPGQEAPSE NLGSFHLYPR ESSKASLGPN LDQDSVVLY HRSPTANENQ
NLESDVPMIE ISDDLSEPPS ALQGAQAIEA QLELKEDDPL KSPPQYACDF NLFLEDSADT
RQNLSSKFLE HVEKEKSLQS PAANSRAKSA LTSLDSSPK SDEESEVISV KTKSKTRRIL
SDDEDEDEED AFKGSHTNSI NISPFPFSSV KQFDASTPQS GSNPSRRFFS PKTPGEVNTS
LHSRRSLASR RSLINVVLDD VEDMEERLDN SSEESEPEGL SEENNEEEAL ACTEEQPSGA
TLASGNKSSN LTMSEPTSPA PQSSCAPEP SSSDPMPDPP QDLAVEAGND YESLVARGKE
LKECGKIQEA LNCLVKALDI KSADPEVMLM TLSLYKQLNI

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!

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:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	ERCC6L
Alternative Name:	Ercc6l (ERCC6L Products)
Background:	DNA excision repair protein ERCC-6-like (EC 3.6.4.12) (ATP-dependent helicase ERCC6-like),FUNCTION: DNA helicase that acts as a tension sensor that associates with catenated DNA which is stretched under tension until it is resolved during anaphase. Functions as ATP-dependent DNA translocase. Can promote Holliday junction branch migration (in vitro). {ECO:0000250 UniProtKB:Q2NWX8}.
Molecular Weight:	138.9 kDa
UniProt:	Q8BHK9

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</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 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