Datasheet for ABIN3092403

ERCC6L Protein (AA 1-1250) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	ERCC6L
Protein Characteristics:	AA 1-1250
Origin:	Human
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:	MEASRRFPEA EALSPEQAAH YLRYVKEAKE ATKNGDLEEA FKLFNLAKDI FPNEKVLSRI QKIQEALEEL AEQGDDEFTD VCNSGLLLYR ELHNQLFEHQ KEGIAFLYSL YRDGRKGGIL ADDMGLGKTV QIIAFLSGMF DASLVNHVLL IMPTNLINTW VKEFIKWTPG MRVKTFHGPS KDERTRNLNR IQQRNGVIIT TYQMLINNWQ QLSSFRGQEF VWDYVILDEA HKIKTSSTKS AICARAIPAS NRLLLTGTPI QNNLQELWSL FDFACQGSLL GTLKTFKMEY ENPITRAREK DATPGEKALG FKISENLMAI IKPYFLRRTK EDVQKKKSSN PEARLNEKNP DVDAICEMPS LSRKNDLIIW IRLVPLQEEI YRKFVSLDHI KELLMETRSP LAELGVLKKL CDHPRLLSAR ACCLLNLGTF SAQDGNEGED SPDVDHIDQV TDDTLMEESG KMIFLMDLLK RLRDEGHQTL VFSQSRQILN IIERLLKNRH FKTLRIDGTV THLLEREKRI NLFQQNKDYS VFLLTTQVGG VGLTLTAATR VVIFDPSWNP ATDAQAVDRV YRIGQKENVV VYRLITCGTV EEKIYRRQVF KDSLIRQTTG EKKNPFRYFS KQELRELFTI EDLQNSVTQL QLQSLHAAQR KSDIKLDEHI

AYLQSLGIAG ISDHDLMYTC DLSVKEELDV VEESHYIQQR VQKAQFLVEF ESQNKEFLME QQRTRNEGAW LREPVFPSST KKKCPKLNKP QPQPSPLLST HHTQEEDISS KMASVVIDDL PKEGEKQDLS SIKVNVTTLQ DGKGTGSADS IATLPKGFGS VEELCTNSSL GMEKSFATKN EAVQKETLQE GPKQEALQED PLESFNYVLS KSTKADIGPN LDQLKDDEIL RHCNPWPIIS ITNESQNAES NVSIIEIADD LSASHSALQD AQASEAKLEE EPSASSPQYA CDFNLFLEDS ADNRQNFSSQ SLEHVEKENS LCGSAPNSRA GFVHSKTCLS WEFSEKDDEP EEVVVKAKIR SKARRIVSDG EDEDDSFKDT SSINPFNTSL FQFSSVKQFD ASTPKNDISP PGRFFSSQIP SSVNKSMNSR RSLASRRSLI NMVLDHVEDM EERLDDSSEA KGPEDYPEEG VEESSGEASK YTEEDPSGET LSSENKSSWL MTSKPSALAQ ETSLGAPEPL SGEQLVGSPQ DKAAEATNDY ETLVKRGKEL KECGKIQEAL NCLVKALDIK SADPEVMLLT LSLYKQLNNN

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) (PLK1-interacting checkpoint helicase) (Tumor antigen BJ-HCC-15),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 (PubMed:17218258, PubMed:23973328). Functions as ATP-dependent DNA translocase (PubMed:23973328, PubMed:28977671). Can promote Holliday junction branch migration (in vitro) (PubMed:23973328). {ECO:0000269|PubMed:17218258, ECO:0000269|PubMed:23973328, ECO:0000269|PubMed:28977671}.
Molecular Weight:	141.1 kDa
UniProt:	Q2NKX8

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

Application Details

	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. 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