Datasheet for ABIN3127418

ASH2L Protein (AA 1-623) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	ASH2L
Protein Characteristics:	AA 1-623
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ASH2L protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MAAAGAGPGP GVSAGPGPGA AASATTAEDR ETEPVAAGAG EGPSAAPGAE PSSGEAESGD ANLVDVSGLE TESSNGKDTL EGTGDTSEVM DTQAGSVDEE NGRQLGEVEL QCGICTKWFT ADTFGIDTSS CLPFMTNYSF HCNVCHHSGN TYFLRKQANL KEMCLSALAN LTWQSRTQDE HPKTMFSKDK DIIPFIDKYW ECMTTRQRPG KMTWPNNIVK TMSKERDVFL VKEHPDPGSK DPEEDYPKFG LLDQDLSNIG PAYDNQKQSS AVSASGNLNG GIAAGSSGKG RGAKRKQQDG GTTGTTKKAR SDPLFSAQRL PPHGYPLEHP FNKDGYRYIL AEPDPHAPDP EKLELDCWAG KPIPGDLYRA CLYERVLLAL HDRAPQLKIS DDRLTVVGEK GYSMVRASHG VRKGAWYFEI TVDEMPPDTA ARLGWSQPLG NLQAPLGYDK FSYSWRSKKG TKFHQSIGKH YSSGYGQGDV LGFYINLPED TETAKSLPDT YKDKALIKFK SYLYFEEKDF VDKAEKSLKQ TPHSEIIFYK NGVNQGVAYR DIFEGVYFPA ISLYKSCTVS INFGPSFKYP PKDLTYHPMS DMGWGAVVEH TLADVLYHVE TEVDGRRSPP WEP

Product Details

	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! 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).

Product Details

Grade:	custom-made

Target Details

Target:	ASH2L
Alternative Name:	Ash2l (ASH2L Products)
Background:	Set1/Ash2 histone methyltransferase complex subunit ASH2 (ASH2-like protein),FUNCTION: Transcriptional regulator (By similarity). Component or associated component of some histone methyltransferase complexes which regulates transcription through recruitment of those complexes to gene promoters (By similarity). Component of the Set1/Ash2 histone methyltransferase (HMT) complex, a complex that specifically methylates 'Lys-4' of histone H3, but not if the neighboring 'Lys-9' residue is already methylated (By similarity). As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3 (By similarity). May play a role in hematopoiesis (By similarity). In association with RBBP5 and WDR5, stimulates the histone methyltransferase activities of KMT2A, KMT2B, KMT2C, KMT2D, SETD1A and SETD1B (By similarity). {ECO:0000250|UniProtKB:Q9UBL3}.
Molecular Weight:	68.3 kDa
UniProt:	Q91X20

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. 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