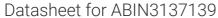
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DCAF6 Protein (AA 1-876) (Strep Tag)



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Overview

Quantity:	1 mg
Target:	DCAF6
Protein Characteristics:	AA 1-876
Origin:	Mouse
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DCAF6 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Sequence:

MARSGSCPHL LWDVRKRSLG LEDPSRLRSR YLGRREFIQR LKLEATLNVH DGCVNTICWN
DTGEYILSGS DDTKLVISNP YSRKVLTTIR SGHRANIFSA KFLPCTDDKQ IVSCSGDGVI
FYTNIEQDAE TNRQCQFTCH YGTTYEIMTV PNDPYTFLSC GEDGTVRWFD TRIKTSCTKE
DCKDDILINC RRAATSVAIC PPVPYYLAVG CSDSSVRIYD RRMLGTRATG NYAGRGTTGM
VARFIPSHLS NKSCRVTSLC YSEDGQEILV SYSSDYIYLF DPKDDTAREL KTPSAEERRE
ELRQPPVKRL RLRGDWSDTG PRARPESERE RDGEQSPNVS LMQRMSDMLS RWFEEASEVA
QSNRGRGRPR PRGGTNQPDV STLPTVPSSP NLEVCETAMD VDMPAALLQP STSSTDPVQA
QAATAAIESP RSSSLLSCPD SEPRQSVEAS GHHAHHQSDN SNERLSPKPG TGEPVLSLHY
STEGTTTSTI KLNFTDEWSS TASSSRGNGS HCKSEGQEEC LVPPSSVQPP EGDSETRAPE
ELSEKGTLPE NLTQNQIDTA QLDNFPAEPL DSNSGEKNNP SQDSPCGLPE EGTLSETDRE
TCEQASTESA TRHASTKPEL PSQTEAIEQA STESATRHTS ANPELPSQTE AIAPLAHEDP
SARDSALQDT DDSDDDPVLI PGARYRTGPG DRRSAVARIQ EFFRRKERK EMEELDTLNI

RRPLVKMVYK GHRNSRTMIK EANFWGANFV MSGSDCGHIF IWDRHTAEHL MLLEADNHVV NCLQPHPFDP ILASSGIDYD IKIWSPLEES RIFNRKLADE VITRNELMLE ETRNTITVPA SFMLRMLASL NHIRADRLEG DRSEGSGQEN ENEDEE

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 posttranslational 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.

Product Details

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.
	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:	DCAF6
Alternative Name:	Dcaf6 (DCAF6 Products)
Background:	DDB1- and CUL4-associated factor 6 (IQ motif and WD repeat-containing protein 1) (Nuclear
	receptor interaction protein) (NRIP),FUNCTION: Ligand-dependent coactivator of nuclear
	receptors. Enhance transcriptional activity of the nuclear receptors NR3C1 and AR. May
	function as a substrate receptor for CUL4-DDB1 E3 ubiquitin-protein ligase complex (By
	similarity). {ECO:0000250}.
Molecular Weight:	97.6 kDa
UniProt:	Q9DC22
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

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. 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)