

Datasheet for ABIN3135061
EDC4 Protein (AA 2-1406) (His tag)

1 Image

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Overview

Quantity:	1 mg
Target:	EDC4
Protein Characteristics:	AA 2-1406
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EDC4 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence:	ASCASIDIED ATQHLRDILK LDRPAGGSNA ESQRPSSAYN GDLNGLLVPD PLSSGDGNST NKP GIRT MPP INLQEKQVIC LSGDDSSSTCI GILAKEVEIV ASSDSSISSK ARGSNKVKIQ PVAKYDWEQK YYYGNLIAVS NSFLAYAIRA ANNGSAMVRV ISVSTERTL LKGFTGSVAD LAF AHLNSPQ LACLDEAGNL FVWRLALVKG KIQEEILVHI RQPEGTALNH FRRIIWCPFI PEESEDCC EE SSPTVALLHE DRAEVWDLDM LRSSHNTWPV DVSQIKQGFI VVKGHSTCLS EGALSPDGT V LATASHDGFV KFWQIYIEGQ DEPRCLHEWK PHDGRPLSCL LFCDNHKKQD PEVPFWRF LI TGADQNRELK MWCTVSWTCL QTIRFSPDIF SSVSVPPSLK VCLDLSAEYL ILSDVQRKVL YVMELLQNQD EGRACFSSIS EFL LTHPVLS FGIQVVSR CR LRHTEVLP AE EENDSLGTES SHGAGALES A AGVLIKLF CV HTKALQDVQI RFQPQLNPDV VAPLSTHTAH EDFTFGESRP ELGSEGLASA AHGSQPDLRR IVELPAPADF LSLSSETKPE LMTPDAFMTP TASLQQISAS PSSSSSSSSSS SSSSSSSSSS SLTAVSAVSS SSAMDPSLPR PPEELTLSPK LQLDGS LTLN SSSSSLQASP RSLLPGLLP G PADKLISKGP GQVSTAASAL SLDLQVEEPL
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GLPQASPSRT RSPDVISSAS TALSQDIPEI ASEALSRGFG SSVPEGLIEP NSMASAASAL
HLLSPRPRQG PELGSQLGLD GPGDGDRHS TPSLLEAALT QEVATPDSQV WPTAPDITRE
TCSTLTESPR NGLQEKHKSL AFHRPPYHLL QQRDSQDTSA EQSDHDDEVA SLASASGGFG
SKIPTPRLPS KDWKTKGSPR TSPKLKRKSK KDDGDSAVGS RLTEHQVAEP PEDWPALIWQ
QQRELAELWH NQEELLQRLC AQLEGLQSTV TDHVERALET RHEQEQRRL RALAEGQQRG
GQLQEQLTQQ LSQALSSAVA GRLERSVRDE IKKTVPPCVS RSLEPVAGQL SNSVATKLTA
VEGSMKENIS KLLKSKNLTD AIARAAADTL QGPMQAAYRE AFQSVVLPF EKSCQAMFQQ
INDSFRLGTQ EYLQQLESHM KSRKAREQEA REPVLAQLRG LVSTLQSATE QMAATVSSSV
RAEVQHQLHV AVGSLQESIL AQVQRIVKGE VSVALKEQQA TVTSSIMQAM RSAAGTPVPS
AHLDCQAQQA HILQLLQQGH LNQAFQQALT AADLNLVLYV CETVDPQVQV GQPPCPLSQP
VLLSLIQLA SDLGTRSDLK LSYLEEAVMH LDHSDPITRD HMGSVMAQVR QKLFQFLQAD
PHNSLSKAAR RLSLMLHGLV TPSP

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Edc4 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

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.

The concentration of the protein is calculated using its specific absorption coefficient. 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 baculovirus infected SF9 insect cells: <ol style="list-style-type: none">1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. 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:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	EDC4
Alternative Name:	Edc4 (EDC4 Products)
Background:	In the process of mRNA degradation, seems to play a role in mRNA decapping. Component of a complex containing DCP2 and DCP1A which functions in decapping of ARE-containing mRNAs. Promotes complex formation between DCP1A and DCP2. Enhances the catalytic activity of DCP2 (in vitro) (By similarity). {ECO:0000250}.
Molecular Weight:	153.3 kDa Including tag.
UniProt:	Q3UJB9

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:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

Images



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process