

Datasheet for ABIN3137313
FANCA Protein (AA 1-1439) (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	1 mg
Target:	FANCA
Protein Characteristics:	AA 1-1439
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FANCA protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence:	MPGSPARGAA MGGGPRGLRK TWTELLAGRV KKQKYDPERE QCLKDSALKL LRYHQNMHDL LLEVEEPQCK RLRLSELIDR DSADASSDRS ASFIRSAFRD QASRLGVPVG VLSAKVFARS VQQVCVEPSH PVLLSPEQSK KLSSLLMIAR HLLAQNMFSR LTFCQELWKA QNSLLLEAMW RLHTHSVVSL QELLQSHPDS EAMAMWLFRN LRSLCEQIGA SCPSPTTEA MLSGLVQLLI SRGFQGSDDP RRLVEPERLP QVATDVLQRM LAFSLDTLEA DPQTTLDCQA VSGWIPIYSG HTCCGVVTEN SLKSFFSHTL TQILTHKPVL KVSDAIQMQK EWSFAKTHHL LTDLHCRVLA TLGPEESVGR LQEVLEMQEV NWQHVLSCVS TLVVCFPEAQ QLVKGWVASL MARAFESYHL DSMVT AFLIV RQATLEGPIYV FPSYADWFKE SFGSSHGYS CSKKT LVFLF KFLSDLVPWE APRYMQVHIF HPPLVPSKYH SLLTDYISLA KTRLADLKVS LENVGLYEDL SSPGDIAERE SQAQVDVKA IMVFEQTGKI PMPVLEASIF RRPYYVSHFL PTLLAPRVLP EVPDP RVALI ETLKRADKIP SSIYDAYRKA CASA EKQPE NATSAQRTEA DCAKEPLGLL TAALEELRAL MTDPTQYSVI SAQVAVVSEK LNAVLGHRND GGSLQRAKIQ LSVLPSTLQK QDQAVVDLLL
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TAFQCQLMAA SSFVPPERQS PWAVLFVRTL CGHVLLPAVL TRLRQLLRHQ GQSLSTSHVL
GLAALAVHLG ECRSMLPEVD PDVLAPSAGS LCVPDFLNSL LTCRTRDSLL FCMNFCTAAV
SYCLCKFSAL RNCLSPGLIK KFQFVVLRLF PEARAPCAPE HAACVPWRPL YLPSADWQRA
ALSLWRRDSF QELLKDKEYF LTYRDWVQLE LEIQPEADVL SDMERHDFHQ WAIYERYLPA
PTALGGCGGD LEEACTVLVS EIMDFHQSSR SYNHSESDSL VLGGRGTGNKD ILSRLQEIAL
DLELDQGS AV PHGCSTPQSH FLFRVFRRRL QALARPDSMA TSLRRQCELL TCKRLLLCLP
PSVLVGGPQA GQIPSPNCGE FFSLVNSELR NFCCHGSLVT SDITIHFFRG LLRVCLRSQD
PALVANQTLT ECQTKCPVIL TSALLWWSSL EPVLCGRWMMR CYQSPLPREL RRLQEAREFA
SNFASASASP APSPAWIAAA ALHFAWRGVR KEDVTAHLQR LDCQREELLI ALFFFSLMGL
LSSYL TQRDT AEHLKAVDIC AEVLTCLERR KVS WLVL FQL TEKDAKLGHL LHLAPDQHTR
LLPLAFYSLL SCFSEGA AVR EAAFLHVA VD MYLKLLQLFV DGETRLQGHS ESQGSPVQLI
TKARVFLQL IPQCPKQCFS NMTELLAGRG DCDPEVSNAL RQRQQADPSF DLYQEPQLF

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 Fanca 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:	FANCA
Alternative Name:	Fanca (FANCA Products)
Background:	DNA repair protein that may operate in a postreplication repair or a cell cycle checkpoint function. May be involved in interstrand DNA cross-link repair and in the maintenance of normal chromosome stability (By similarity). {ECO:0000250}.
Molecular Weight:	162.2 kDa Including tag.
UniProt:	Q9JL70
Pathways:	DNA Damage Repair

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