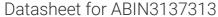
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FANCA Protein (AA 1-1439) (His tag)



Image



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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 QKLKDSALKL LRYHQNMHDL LLEVEEPQCK RLRLSELIDR DSADASSDRS ASFIRSAFRD QASRLGVPVG VLSAKVFARS VQQVCVEPSH PVLLSPEQSK KLSSLLMIAR HLLAQNMFSR LTFCQELWKA QNSLLLEAMW RLHTHSVVSL QELLQSHPDS EAMAMWLFRN LRSLCEQIGA SCPSPDTTEA MLSGLVQLLI SRGFQGSSDP RRLVEPERLP QVATDVLQRM LAFSLDTLEA DPQTTLDCQA VSGWIPIYSG HTCCGVVTEN SLKSFFSHTL TQILTHKPVL KVSDAIQMQK EWSFAKTHHL LTDLHCRVLA TLGPEESVGR LQEVLEMQEV NWQHVLSCVS TLVVCFPEAQ QLVKGWVASL MARAFESYHL DSMVTAFLIV RQATLEGPYV FPSYADWFKE SFGSSHGYHS CSKKTLVFLF KFLSDLVPWE APRYMQVHIF HPPLVPSKYH SLLTDYISLA KTRLADLKVS LENVGLYEDL SSPGDIAERE SQAVQDVKKA IMVFEQTGKI PMPVLEASIF RRPYYVSHFL PTLLAPRVLP EVPDPRVALI ETLKRADKIP SSIYDAYRKA CASAEKQQPE NATSAQRTEA DCAKEPLGLL TAALEELRAL MTDPTQYSVI SAQVAVVSEK LNAVLGHRND GGSLQRAKIQ LSVLPSTLQK QDQAVVDLLL

TAFCQNLMAA SSFVPPERQS PWAVLFVRTL CGHVLLPAVL TRLRQLLRHQ GQSLSTSHVL GLAALAVHLG ECRSMLPEVD PDVLAPSAGS LCVPDFLNSL LTCRTRDSLL FCMNFCTAAV SYCLCKFSAL RNCLSPGLIK KFQFVVLRLF PEARAPCAPE HAACVPWRPL YLPSADWQRA ALSLWRRDSF QELLKDKEFY LTYRDWVQLE LEIQPEADVL SDMERHDFHQ WAIYERYLPA PTALGGCGGD LEEACTVLVS EIMDFHQSSR SYNHSEDSDL VLGGRTGNKD ILSRLQEIAL DLELDQGSAV PHGCSTPQSH FLFRVFRRRL QALARPDSMA TSLRRQQELL TCKRLLLCLP PSVLVGGPQA GQPISPNCGE FFSLVNSELR NFCCHGSVLT SDITIHFFRG LLRVCLRSQD PALVANQTLT ECQTKCPVIL TSALLWWSSL EPVLCGRWMR CYQSPLPREL RRLQEAREFA SNFASASASP APSPAWIAAA ALHFAWRGVR KEDVTAHLQR LDCQREELLI ALFFFSLMGL LSSYLTQRDT AEHLKAVDIC AEVLTCLERR KVSWLVLFQL TEKDAKLGHL LHLAPDQHTR LLPLAFYSLL SCFSEGAAVR EAAFLHVAVD MYLKLLQLFV DGETRLQGHS ESQGSPVQLI TKARVFLLQL 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 receival 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:
	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.
	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 gurantee
	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

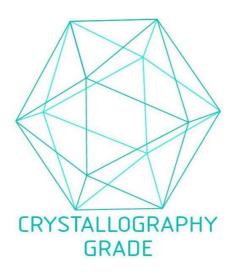


Image 1. "Crystallography Grade" protein due to multi-step, protein-specific purification process