

Datasheet for ABIN7564645
FANCI Protein (AA 1-1330) (His tag)



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Overview

Quantity:	1 mg
Target:	FANCI
Protein Characteristics:	AA 1-1330
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FANCI protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Fanci Protein expressed in mammalien cells.
Sequence:	MDLKILSLAT DKTTDKLQEF LQTLKDDDLA SLLQNQAVKG RAVGTLLRAV LKGSPCSEED GALRRYKIYS CCIQLVESGD LQQDVASEII GLLMLEVHHF PGPLLVDLAS DFIGAVREDR LVNGKSLELL PIILTALATK KEVLACGKGD LNGEYKRQL IDTLCSVRWP QRYMIQLTSV FKDVCLTPEE MNLVVAKVLT MFSKLNQEI PPLVYQLLVL SSKGSRRSVL DGIIAFFREL DKQHREEQSS DELSELITAP ADELYHVEGT VILHIVFAIK LDCELGRELL KHLKAGQQGD PSKCLCPFSI ALLLSLTRI QRFEEQVFDLL KTSVVKSFKD LQLLQGSKFL QTLVPQRCTCV STMILEVVRN SVHSDHVTQ GLIEFGFILM DSYGPKKILD GKAVEIGTSL SKMTNQHACK LGANILLET F KIHEMIRQEI LEQVLNRVVT RTSSPINHFL DLFSDIIMYA PLILQNC SKV TETFDYL TFL PLQTVQG L LK AVQPLLKISM SMRDSLILVL RKAMFASQLD ARKSAVAGFL LLLKNFKVLG SLPSSQCTQS IGVTQVRVDV HSRYS AVANE TFCLEIIDL K RSLGQQADI RLMLYDGFYD VLRNSQLAS SIMQTLFSQL KQFYEPEDL LPPLKLGACV LTQGSQIFLQ EPLDHLLSCI

Product Details

QHCLAWYKSR VVPLQQGDEG EEEEEELYSE LDDMLESITV RMIKSELEDF ELDKSADFSQ
NTNVGIKNNI CACLIMGVCE VLMEYNFSIS NFSKSKFEEI LSLFTCYKKF SDILSEKAGK
GKAKMTSKVS DSLLSLKFVS DLLTALFRDS IQSHEESLSV LRSSGEFMHY AVNVTLQKIQ
QLIRTGHVSG PDGQNPDKIF QNLCDITRVL LWRYTSIPTS VEESGKKEKG KSISLLCLEG
LQKTFSVVLQ FYQPKVQFL QALDVMGTEE EEAGVTVTQR ASFQIRQFQR SLLNLLSSEE
DDFNSKEALL LIAVLSTLSR LLEPTSPQFV QMLSWTSKIC KEYSQEDASF CKSLMNLFFS
LHVLYKSPVT LLRDLSQDIH GQLGDIDQDV EIEKTDHFAV VNLRTAAPTCLLVLSQAEK
VLEEVDWLIA KIKGSANQET LSDKVTPEDA SSQAVPPTLL IEKAIVMQLG TLVTFHHELV
QTALPSGSCV DTLLKGLSKI YSTLTAFVKY YLQVCQSSRG IPNTVEKLVK LSGSHLTPVC
YSFISYVQNK SSDAPKCSEK EKAAVSTTMA KVLRETKPIP NLVFAIEQYE KFLIQLSKKS
KVNLMQHMKL STSRDFKIKG SVLDMVLRED EEDENEEGTA SAHTQQDREP AKKRRKKCLS

Sequence without tag. The proposed Purification-Tag is based on experiences 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 to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

FANCI

Target Details

Alternative Name: [Fanci \(FANCI Products\)](#)

Background: Fanconi anemia group I protein homolog (Protein FANCI),FUNCTION: Plays an essential role in the repair of DNA double-strand breaks by homologous recombination and in the repair of interstrand DNA cross-links (ICLs) by promoting FANCD2 monoubiquitination by FANCL and participating in recruitment to DNA repair sites. Required for maintenance of chromosomal stability. Specifically binds branched DNA: binds both single-stranded DNA (ssDNA) and double-stranded DNA (dsDNA). Participates in S phase and G2 phase checkpoint activation upon DNA damage. {ECO:0000250|UniProtKB:Q9NVI1}.

Molecular Weight: 149.3 kDa

UniProt: [Q8K368](#)

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.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition 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: 12 months