

Datasheet for ABIN7553915
FANCI Protein (AA 1-1328) (His tag)



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Overview

| | |
|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | FANCI |
| Protein Characteristics: | AA 1-1328 |
| Origin: | Human |
| 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: | MDQKILSLAA EKTADKLQEF LQTLREGDLT NLLQNQAVKG KVAGALLRAI FKGSPCSEEA GTLRRRKIYT CCIQLVESGD LQKEIASEII GLLMLEAHHF PGPLLEVELAN EFISAVREGS LVNGKSLELL PIILTALATK KENLAYGKGV LSGEECKKQL INTLCSGRWD QQYVIQLTSM FKDVPLTAAE VEFVVEKALS MFSKMNLQEI PPLVYQLLVL SSKGSRKSVL EGIIAFFSAL DKQHNEEQSG DELLDVVTVP SGELRHVEGT IILHIVFAIK LDYELGRELV KHLKVGQQGD SNNNLSPFSI ALLLSVTRIQ RFQDQVLDLL KTSVVKSFKD LQLLQGSKFL QNLVPHRSYV STMILEVVKN SVHSDHVTQ GLVELGFILM DSYGPKKVL D GKTIIETSPSL SRMPNQHACK LGANILLET F KIHEMIRQEI LEQVLNRVVT RASSPISHFL DLLSNIVMYA PLVLQSCSSK VTEAFDYLSF LPLQTVQRLL KAVQPLLKVS MSMRDCLILV LRKAMFANQL DARKSAVAGF LLLLKNFKVL GSLSSSQCSQ SLSVSQVHVD VSHYNSVAN ETFCLEIMDS LRRCLSQQAD VRLMLYEGFY DVLRRNSQLA NSVMQTLLSQ LKQFYEPKPD LLPPLKLEAC ILTQGDKISL |

Product Details

QEPLDYLLCC IQHCLAWYKN TVIPLQQGEE EEEEEAFYE DLDDILESIT NRMIKSELED
FELDKSADFS QSTSIGIKNN ICAFLVMGVC EVLIEYNFSI SSFSKNRFED ILSLFMCYKK
LSDILNEKAG KAKTKMANKT SDSLLSMKFV SLLLTALFRD SIQSHQESLS VLRSSNEFMR
YAVNVALQKV QQLKETGHVS GPDGQNPEKI FQNLCDITRV LLWRYTSIPT SVEESGKKEK
GKSISLLCLE GLQKIFSAVQ QFYQPKIQF LRALDVTDK EGEERDADVS VTQRTAFQIR
QFQRSLNLL SSQEEDFNSK EALLLVTVLT SLSKLEPSS PQFVQMLSWT SKICKENSRE
DALFCKSLMN LLFSLHVSYK SPVILLRDL S QDIHGHLGDI DQDVEVEKTN HFAIVNLRTA
APTVCLLVLS QAEKVLEEVD WLITKLGQV SQETLSEEAS SQATLPNQPV EKAIIQLGT
LLTFFHELVQ TALPSGSCVD TLLKDLCKMY TTLTALVRY LQVCQSSGGI PKNMEKLVKL
SGSHLTPLCY SFISYVQNKS KSLNYTGEKK EKPAAVATAM ARVLRETKPI PNLIFAIEQY
EKFLIHL SKK SKVNLMQHMK LSTSRDFKIK GNILDMVLRE DGEDENEEGT ASEHGGQNKE
PAKKRKK **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 (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:0000269|PubMed:17412408, ECO:0000269|PubMed:17452773, ECO:0000269|PubMed:17460694, ECO:0000269|PubMed:19111657, ECO:0000269|PubMed:25862789}.

Molecular Weight: 149.3 kDa

UniProt: [Q9NVI1](#)

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
