

Datasheet for ABIN7564267

FANCD2 Protein (AA 1-1450) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	FANCD2
Protein Characteristics:	AA 1-1450
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FANCD2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Fancd2 Protein expressed in mammalien cells.
Sequence:	MISKRRRLDS EDKENLTEDA SKTMPLSKLA KKSHNSHEVE ENGSVFKLL KASGLTLKTG ENQNQLGVDQ VIFQRKLFQA LRKHPAYPKV IEEFVNGLES YTEDSESLRN CLLSCERLQD EEASMGTFYS KSLIKLLGI DILQPAIKM LFEKVPQFLF ESENRDGINM ARLIINQLKW LDRIVDGKDL TAQMMQLISV APVNLQHDFI TSLPEILGDS QHANVGKELG ELLVQNTSLT VPILDVFSSL RLDPNFLSKI RQLVMGKLSS VRLEDFPVIV KFLHHSVTDT TSLEVIAELR ENLNQQFIL PSRIQASQSK LKSKGLASS GNQENSDKDC IVLVFDVIKS AIRYEKTISE AWFKAIERIE SAAEHKALDV VMLLIYSTS TQTKKGVEKL LRNKIQSDCI QEQLLDSAFS THYLVKDIC PSILLAQTL FHSQDQRIIL FGSLLYKYAF KFFDTCQQE VVGALVTHVC SGTEAEVDTA LDVLELIVL NASAMRLNAA FVKGILDYLE NMSPQIRKI FCILSTLAFS QQPGTSNHIQ DDMHLVIRKQ LSSTVFKYKL IGIIGAVTMA GIMAEDRSVP SNSSQRSANV SSEQRTQVTS LLQLVHSCTE HSPWASSLYY DEFANLIQER KLAPKTLEWV GQTIFNDFQD

AFVVDCAAP EGDFFPVKA LYGLEEYSTQ DGIVINLLPL FYQECAKDas RATSQESSQR
SMSSCLASH FRLRLCVAR QHDGNLDEID GLLDCPLFLP DLEPGEKLES MSAKDRSLMC
SLTFLTFNWF REVVNAFCQQ TSPKMGKVL SRLKDLVELQ GILEKYLAVI PDYVPPFASV
DLDTLDMMPR SSSAVAAKNR NKGKTGGKKQ KADSNKASCS DTLTDTSE CDMAPSGRSH
VDKESTGKEG KTFVSLQNYR AFFRELDIEV FSILHSGLVK KFIELDTEMHT EATEVVQLGP
AELLFLEDL SQKLENMLTA PFAKRICCFK NKGRQNIGFS HLHQRSVQDI VHCVVQLLTP
MCNHLNIHN FFQCLGAEHL SADDKARATA QEQTMACCY QKLLQVLHAL FAWKGFTHQS
KHRLLSALE VLSNRLQME QDQPLEELVS QSFSYLQNFH HSVPSFQCGL YLLRLLMALL
EKSAVNPQKK EKSLAKQL LCRAWPHGEK EKNPTFNDHL HDVLYIYLEH TDNVLKAIEE
ITGVGPELV SAPKDAASST FPTLTRHTFV IFFRVMAEL EKTVKGLQAG TAADSQQVHE
EKLLYWNMAV RDFSILLNLM KVFDSYPVLH VCLKYGRRFV EAFLKQCMLP LDFSFRKHRE
DVLSSLQTLQ LNTRLLHHLK GHSKIRQDTR LTKHVPLLKK SLELLVCRVK AMLVLNNCRE
AFWLGTLKNR DLQGEIISQ DPSSSESNAE DSEDGVTSHV SRNRATEDGE DEASDEQKDQ
DSEDESSSS **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:	FANCD2
Alternative Name:	Fancd2 (FANCD2 Products)
Background:	Fanconi anemia group D2 protein homolog (Protein FACD2),FUNCTION: Required for maintenance of chromosomal stability. Promotes accurate and efficient pairing of homologs during meiosis. Involved in the repair of DNA double-strand breaks, both by homologous recombination and single-strand annealing. May participate in S phase and G2 phase checkpoint activation upon DNA damage. Plays a role in preventing breakage and loss of missegregating chromatin at the end of cell division, particularly after replication stress (By similarity). Promotes BRCA2/FANCD1 loading onto damaged chromatin. May also be involved in B-cell immunoglobulin isotype switching. {ECO:0000250, ECO:0000269 PubMed:12893777}.
Molecular Weight:	163.6 kDa
UniProt:	Q80V62
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