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- Mindermengenzuschlag
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FANCG Validated Chimera RNAi

Catalog # : H00002189-R01V

規格 : [10 nmol] [20 nmol]

[List All](#)

Specification

Product Description: Homo sapiens Fanconi anemia, complementation group G (FANCG), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_004629

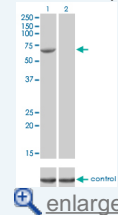
Storage Instruction: Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.

Note: Position of the Chimera RNAi.



Application Image

RNAi Knockdown (Antibody validated)

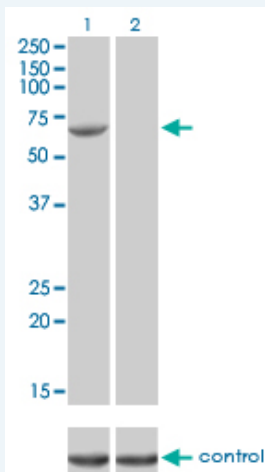


Publication Reference

- [dsCheck: highly sensitive off-target search software for double-stranded RNA-mediated RNA interference.](#)
Naito Y, Yamada T, Matsumiya T, Ui-Tei K, Saigo K, Morishita S. *Nucleic Acids Res.* 2005 Jul 1;33(Web Server issue):W589-91.
- [Functional dissection of siRNA sequence by systematic DNA substitution: modified siRNA with a DNA seed arm is a powerful tool for mammalian gene silencing with significantly reduced off-target effect.](#)
Ui-Tei K, Naito Y, Zenno S, Nishi K, Yamato K, Takahashi F, Juni A, Saigo K. *Nucleic Acids Res.* 2008 Apr;36(7):2136-51. Epub 2008 Feb 11.
- [Guidelines for the selection of highly effective siRNA sequences for mammalian and chick RNA interference.](#)
Ui-Tei K, Naito Y, Takahashi F, Haraguchi T, Ohki-Hamazaki H, Juni A, Ueda R, Saigo K. *Nucleic Acids Res.* 2004 Feb 9;32(3):936-48. Print 2004.
- [siDirect: highly effective, target-specific siRNA design software for mammalian RNA interference.](#)
Naito Y, Yamada T, Ui-Tei K, Morishita S, Saigo K. *Nucleic Acids Res.* 2004 Jul 1;32(Web Server issue):W124-9.

Applications

RNAi Knockdown (Antibody validated)



Western blot analysis of FANCG over-expressed 293 cell line, cotransfected with FANCG Validated Chimera RNAi (Cat # H00002189-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with FANCG monoclonal antibody (M01), clone 2C8 (Cat # H00002189-M01). GAPDH (36.1 kDa) used as specificity and loading control.

 [Protocol Download](#)

Gene Information

Entrez GeneID: [2189](#)

Gene Name: FANCG

Gene Alias: FAG,XRCC9

Gene Description: Fanconi anemia, complementation group G

Omim ID: [602956](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The Fanconi anemia complementation group (FANC) currently includes FANCA, FANCB, FANCC, FANCD1 (also called BRCA2), FANCD2, FANCE, FANCF, FANCG, FANCI, FANCI (also called BRIP1), FANCL, FANCM and FANCN (also called PALB2). The previously defined group FANCH is the same as FANCA. Fanconi anemia is a genetically heterogeneous recessive disorder characterized by cytogenetic instability, hypersensitivity to DNA crosslinking agents, increased chromosomal breakage, and defective DNA repair. The members of the Fanconi anemia complementation group do not share sequence similarity; they are related by their assembly into a common nuclear protein complex. This gene encodes the protein for complementation group G. [provided by RefSeq]

Other Designations: DNA repair protein XRCC9, OTTHUMP00000021319, X-ray repair complementing defective repair in Chinese hamster cells 9, X-ray repair complementing defective, in Chinese hamster, 9

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