

Recombinant Full Length Human FANCG Protein

Cat. No. FANCG-164HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human FANCG with a N terminal proprietary tag; Predicted MWt 94.53 kDa including the tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	622 amino acids
Description	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.
Form	Liquid
Molecular Mass	94.530kDa inclusive of tags
AA Sequence	MSRQTTSVGSSCLDLWREKNDRLVRQAKVAQNSGLTLR RQQLAQDALEGLRGLLH

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SLQGLPAAVPVLPLELTVTCNFI ILRASLAQGFTEDQAQDIQRSLESLERVLETQEQQGP
 RLEQGL RELWDSVLRASCLLPPELLSALHRLVGLQAALWLSADRLGD LALLLETNG
 SQSGASKDLLLLKLTWSPPAEELDAPLTQ DAQGLKDVLLTAFAYRQGLQELITGNP
 DKALSSLHEAASG LCPRPVLVQVYTALGSCHRKMGNPQRALLYLVAALKEGSA WG
 PPLLEASRLYQQLGDTTAELESLELLVEALNVPCSSKA PQFLIEVELLLPPPDLASPL
 HCGTQSQTKHILASRCLQTG RAGDAAEHYDLLALLLDSSEPRFSPPPSPPGPCMP
 EVFL EAAVALIQAGRAQDALTLCEELLSRTSSLLPKMSRLWEDA RKGTKELPYCPL
 WVSATHLLQGQAWVQLGAQKVAISEFSR CLELLFRATPEEKEQGAAFNCEQGCKS
 DAALQQLRAAALI SRGLEWVASGQDTKALQDFLLSVQMCPGNRDTYFHLLQTL KR
 LDRRDEATALWWRLEAQTKGSHEDALWSLPLYLESYLS WIRPSDRDAFLEEFRTSL
 PKSCDL

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name **FANCG** Fanconi anemia, complementation group G [Homo sapiens]

Official Symbol **FANCG**

Synonyms FANCG; Fanconi anemia, complementation group G; XRCC9; Fanconi anemia group G protein; DNA repair protein XRCC9; FAG; X ray repair complementing defective repair in Chinese hamster cells 9; X ray repair; complementing defective; in Chinese hamster

Gene ID **2189**

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mRNA Refseq	NM_004629
Protein Refseq	NP_004620
MIM	602956
UniProt ID	O15287

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