

Recombinant Full Length Human FANCG Protein, GST-tagged

Cat. No. FANCG-4667HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FANCG full-length ORF (AAH11623, 1 a.a. - 622 a.a.) recombinant protein with GST-tag at N-terminal.
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. [provided by RefSeq, Jul 2008]
Molecular Mass	94.16 kDa
AA Sequence	MSRQTTSVGSSCLDLWREKNDRLVRQAKVAQNSGLTLRRQQLAQDALEGLRGLLH SLQGLPAAVPVLPLELTVTCNFIILRASLAQGFTEDQAQDIQRSLESLVLETQEQQGPR LEQGLRELWDSVLRASCLLPPELLSALHRLVGLQAALWLSADRLGDLALLLETLNGSQ

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SGASKDLLLLKLTWSPPAEELDAPLTLQDAQGLKDVLLTAFAYRQGLQELITGNPDK
 ALSSLHEAASGLCPRPVLVQVYTALGSCHRKMGNPQRALLYLVAALKEGSAWGPPL
 LEASRLYQQLGDTTAELESLELLVEALNVPCSSKAPQFLIEVELLLPPPDLASPLHCG
 TQSQTKHILASRCLQTGRAGDAAEHYDLLALLLDSSEPRFSPPSPPGPCMPEVFL
 EAAVALIQAGRAQDALTLCEELLSRTSSLLPKMSRLWEDARKGTKELPYCPLWVSAT
 HLLQGQAWVQLGAQKVAISEFSRCLELLFRATPEEKEQGAAFNCEQGCKSDAALQQ
 LRAAALISRGLEWVASGQDTKALQDFLLSVQMCPGNRDTYFHLQTLKRLDRRDEA
 TALWWRLEAQTKGSHEDALWSLPLYLESYLSWIRPSDRDAFLEEFRTSLPKSCDL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; 9; X-ray repair, complementing defective, in Chinese hamster, 9; X-ray repair complementing defective repair in Chinese hamster cells 9;

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Gene ID	2189
mRNA Refseq	NM_004629
Protein Refseq	NP_004620
MIM	602956
UniProt ID	O15287

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