

Recombinant Human FANCG protein, His-tagged

Cat. No. FANCG-12739H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FANCG protein(125-348 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	125-348 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.
AASequence	VLRASCLLPPELLSALHRLVGLQAALWLSADRLGDLALLLETLNGSQSGASKDLLLLK TWSPPAEELDAPLTLQDAQGLKDVLLTAFAYRQGLQELITGNPDKALSSLHEAASGL CPRPVLVQVYTALGSCHRKMGNPQRALLYLVAALKEGSAWGPPLLEASRLYQQLG DTTAELESLELLVEALNVPCSSKAPQFLIEVELLLPPDLASPLHCGTQSQTKH
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

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;

Gene ID

2189

mRNA Refseq

NM_004629

Protein Refseq

NP_004620

MIM

602956

UniProt ID

O15287

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