



Recombinant Human Fanconi anemia group G protein (FANCG)

Product Code	CSB-EP008419HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O15287
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MSRQTTSVGS SCLDLWREKN DRLVRQAKVA QNSGLTLRRQ QLAQDALEGL RGLLHSLQGL PAAVPVLPLE LVTTCNFIL RASLAQGFTE DQAQDIQRSL ERVLETQEQQ GPRLEQGLRE LWDSVLRASC LPELLSALH RLVGLQAALW LSADRLGDLA LLETLNGSQ SGASKDLLLL LKTWSPPAEE LDAPLTLQDA QGLKDVLLTA FAYRQGLQEL ITGNPDKALS SLHEAASGLC PRPVLVQVYT ALGSCHRKMG NPQRALLYLV AALKEGSAWG PPLLEASRLY QQLGDTTAE ESLELLVEAL NVPCSSKAPQ FLIEVELLLP PPDLASPLHC GTQSQTKHIL ASRCLQTGRA GDAAEHYLDL LALLLDSSEP RFSPPSPPG PCMPEVFLEA AVALIQAGRA QDALTLCCEL LSRTSSLLPK MSRLWEDARK GTKELPYCPL WVSATHLLQG QAWVQLGAQK VAISEFSRCL ELLFRATPEE KEQGAAFNCE QGCKSDAALQ QLRAAALISR GLEWVASGQD TKALQDFLLS VQMCPGNRDT YFHLLQTLKR LDRRDEATAL WWRLEAQTKG SHEDALWSLP LYLESYLSWI RPSDRDAFLE EFRTSLPKSC DL
Source	E.coli
Target Names	FANCG
Protein Names	Recommended name: Fanconi anemia group G protein Short name= Protein FACG Alternative name(s): DNA repair protein XRCC9
Expression Region	1-622
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.