

Recombinant Full Length Human FANCM Protein, GST-tagged

Cat. No. FANCM-4669HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FANCM full-length ORF (AAH36056.1, 1 a.a. - 669 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	669 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 M. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]
Molecular Mass	102 kDa
AA Sequence	MSGRRQRTLFQTWGSSISRSSGTPGCSSGTERPQSPGSSKAPLPAAAEQALESDDD VLLVAAYEAERQLCLENGGFCTSGALWIYPTNCPVRDYLHISRAALFCNTLVCLP

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TGLGKTFIAAVVMYNFYRWFPSPGKVVFMPTKPLVTQQIEACYQVMGIPQSHMAEM
 TGSTQASTRKEIWCSKRVLFLTPQVMVNDLSRGACPAAEIKCLVIDEAHKALGNYAY
 CQVVRELVKYTNHFRILALSATPGSDIKAVQQVITNLLIGQIELRSEDSPDILTYSHERK
 VEKLIVPLGEELAAIQKTYIQILESFAFSLIQRNVLMRRDIPNLTKYQIILARDQFRKNPS
 PNIVGIQQGIIIEGEFAICISLYHGYELLQQMGMRSLYFFLCGIMDGTKGMTRSKNELG
 RNEDFMKLYNHLECMFARTRSTSANGISAIQQGDKNKKFVYSHPKLKKLEEVVIEHF
 KSWNAENTTEKKRDETRVMIFSSFRDSVQEIAEMLSQHQPIIRVMTFVGHASGKSTK
 GFTQKEQLEVVKQFRDGGYNTLVSTCVGEEGLDIGEVDLIICFDSQKSPIRLVQRMG
 RTGRKRQGRIVIILSEGREERIYNQSQSNKRSIYKAISSNRQVLHFYQRSRPMVDPGI
 NPKLHKMFITHGVYEPEKPSRNLQRKSSIFSIRDGK

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

FANCM Fanconi anemia, complementation group M [Homo sapiens]

Official Symbol

FANCM

Synonyms

FANCM; Fanconi anemia, complementation group M; KIAA1596; Fanconi anemia group M protein; FAAP250; protein Hef ortholog; ATP-dependent RNA helicase
 FANCM; fanconi anemia-associated polypeptide of 250 kDa; MGC176453;

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Gene ID	57697
mRNA Refseq	NM_020937
Protein Refseq	NP_065988
MIM	609644
UniProt ID	Q8IYD8

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