

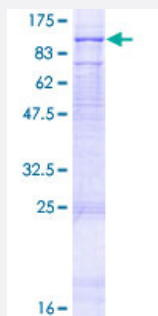
Full-Length

FANCM (Human) Recombinant Protein (P01)

Catalog # H00057697-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human FANCM full-length ORF (AAH36056.1, 1 a.a. - 669 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSGRQRTLFQTWGSSISRSSGTPGCSSGTERPQSPGSSKAPLPAAAEAQLESDDDVLVAAYE
AERQLCLENGGFCTSA GALWYPTNCPVRDYQLHISRAALFCNTLVCLPTGLGKTFIAAVVMYFY
RWFPSGKVVFMAPTKPLVTQQIEACYQVMGIPQSHMAEMTGSTQASTRKEWCSKRVFLTPQV
MVNDLSRGACPAAEIKCLVIDEAHKALGNAYCQVVRELVKYTNHFRILALSATPGSDIKAVQQVIT
NLLIGQIELRSEDSPDILTYSHERKVEKLIVPLGEEELAAIQKTYQILES FARS LIQRNVLMRRDIPNLTK
YQIILARDQFRKNPSPNIVGIQQGIIIEGEFAICISLYHGYELLQQMGMRSLYFFLCGIMDGTKGMTRSK
NELGRNEDFMKLYNHLECMFARTRSTSANGISAIQQGDKNKKFVYSHPKLKKLEEVVIEHFKSWN
AENTTEKKRDETRVMIFSSFRDSVQEI AEMLSQHQP IIRVMTFVGHASGKSTKGFTQKEQLEVVKQ
FRDGGYNTLVSTCVGEEGLDIGEVDLIICFDSQKSPIRLVQRMGRTGRKRQGRVILSEGREERIYN
QSQSNKRSIYKAISSNRQVLHFYQRSRPMVPDGINPKLHKMFITHGVYEPEKPSRNLQRKSSIFS YR
DGK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

102

Interspecies Antigen Sequence

Mouse (82)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — FANCM

Entrez GeneID	57697
GeneBank Accession#	BC036056.1
Protein Accession#	AAH36056.1
Gene Name	FANCM
Gene Alias	FAAP250, KIAA1596, MGC176453
Gene Description	Fanconi anemia, complementation group M
Omim ID	609644
Gene Ontology	Hyperlink

Gene Summary

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 FANCI 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. [provided by RefSeq]

Other Designations

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Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fanconi Anemia](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian cancer](#)
- [Pancreatic Neoplasms](#)