Fanconi Anemia Group A Protein Homolog (FANCA) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Fanconi anemia group A protein homolog (Fanca), Recombinant Protein
Full Product Name	Recombinant Mouse Fanconi anemia group A protein homolog (Fanca) , partial
Product Gene Name	Fanca recombinant protein
Product Synonym Gene Name	Fanca
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	161,213 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9JL70
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Fanca recombinant protein	The Fanconi anemia complementation group (FANC) currently includes FANCA, FANCB, FANCC, FANCD1 (also called BRCA2), FANCD2, FANCE, FANCF, FANCG, FANCI, FANCJ (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 A. Alternative splicing results in multiple transcript variants encoding different isoforms. Mutations in this gene are the most common cause of Fanconi anemia.
Other Notes	Small volumes of Fanca recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Fanca purchase	MBS1452484 is a recombinant protein targeting Fanca. Also known as Recombinant Mouse Fanconi anemia group A protein homolog (Fanca) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Fanca. It may not necessarily be applicable to this product.

NCBI GI #	242397507
NCBI GeneID	14087
NCBI Accession #	NP_058621.2

UniProt Primary Accession #	Q9JL70
UniProt Secondary Accession #	Q9ESU9; Q9ESV3; Q9ET44; Q9JL64; Q9JL65; Q9JL66; Q9JL67; Q9JL68; Q9JL69; E9QKQ4
UniProt Related Accession #	Q9JL70
GenBank Nucleotide #	NM_016925.3
NCBI Official Full Name	Fanconi anemia group A protein homolog
NCBI Official Synonym Full Names	Fanconi anemia, complementation group A
NCBI Official Symbol	Fanca
NCBI Official Synonym Symbols	FACA; AW208693
UniProt Protein Name	Fanconi anemia group A protein homolog
Protein Family	Fanconi anemia group A protein
UniProt Gene Name	Fanca
UniProt Synonym Gene Names	Protein FACA
NCBI Protein Information	Fanconi anemia group A protein homolog
UniProt Comments for Fanca	DNA repair protein that may operate in a postreplication repair or a cell cycle checkpoint function. May be involved in interstrand DNA cross-link repair and in the maintenance of normal chromosome stability ().
Research Articles on Fanca	**1.** FANCA safeguards interphase and mitosis during hematopoiesis
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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