FANCC Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	FANCC, Blocking Peptide
Full Product Name	FANCC Peptide - N-terminal region
Product Gene Name	FANCC blocking peptide
Product Synonym Gene Name	FANCC;FAC; FACC;
Sequence	Synthetic peptide located within the following region: INKEPQNSGQ SKLNSWIQGV LSHILSALRF DKEVALFTQG LGYAPIDYYP
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	FANCC peptide (MBS3244096) is used for blocking the activity of FANCC antibody (MBS3219204)
Molecular Weight	61kDa
OMIM	phenotype 613899
Product Categories/Family for FANCC blocking peptide	Peptide
Applications Tested/Suitable for FANCC blocking peptide	Western Blot (WB)
Related Product Information for FANCC blocking peptide	This is a synthetic peptide designed for use in combination with anti-FANCC Antibody, made Target Description: 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 C.
Other Notes	Small volumes of FANCC blocking peptide 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 FANCC purchase	MBS3244096 is a blocking peptide targeting FANCC. Also known as FANCC Peptide - N-terminal region. Reactive in Human.

ADDITIONAL DETAILS

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

NCBI GI #	344217746
NCBI GeneID	2176
NCBI Accession #	NP_001230672
UniProt Primary Accession #	Q00597

UniProt Related Accession #	Q00597
GenBank Nucleotide #	NM_001243743.1
NCBI Official Full Name	Fanconi anemia group C protein isoform a
NCBI Official Synonym Full Names	FA complementation group C
NCBI Official Symbol	FANCC
NCBI Official Synonym Symbols	FA3; FAC; FACC
UniProt Protein Name	Fanconi anemia group C protein
Protein Family	Fanconi anemia group C protein
UniProt Gene Name	FANCC
UniProt Synonym Gene Names	FAC; FACC; Protein FACC
UniProt Entry Name	FANCC_HUMAN
NCBI Protein Information	Fanconi anemia group C protein
NCBI Summary for FANCC	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 C. [provided by RefSeq, Jul 2008]
UniProt Comments for FANCC	FANCC: DNA repair protein that may operate in a postreplication repair or a cell cycle checkpoint function. May be implicated in interstrand DNA cross-link repair and in the maintenance of normal chromosome stability. Upon IFNG induction, may facilitate STAT1 activation by recruiting STAT1 to IFNGR1. Defects in FANCC are the cause of Fanconi anemia complementation group C (FANCC). A disorder affecting all bone marrow elements and resulting in anemia, leukopenia and thrombopenia. It is associated with cardiac, renal and limb malformations, dermal pigmentary changes, and a predisposition to the development of malignancies. At the cellular level it is associated with hypersensitivity to DNA-damaging agents, chromosomal instability (increased chromosome breakage) and defective DNA repair. Chromosomal Location of Human Ortholog: 9q22.3 Cellular Component: nucleoplasm; cytoplasm; nucleus; cytosol Molecular Function: protein binding Biological Process: removal of superoxide radicals; nucleotide-excision repair; myeloid cell homeostasis; protein complex assembly; DNA repair; germ cell development Disease: Fanconi Anemia, Complementation Group C; Tracheoesophageal Fistula With Or Without Esophageal Atresia
Research Articles on FANCC	**1.** mutation IVS4+4A>T is the most prevalent mutation in our group of patients. This analysis of Pakistani patients also suggests that there is no significant difference between IVS4+4A>T homozygotes and the rest of the patients with regard to severity of clinical phenotype.
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.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-blocking-peptide/fancc/3244096