

Recombinant Human FANCB

Cat. No. FANCB-27930TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human FANCB with a N terminal proprietary tag; Predicted MW 37.65 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	109 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 B. Alternative splicing results in two transcript variants encoding the same protein.
Molecular Weight	37.620kDa inclusive of tags
Form	Liquid

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	GSENFLIDNMAFTLEKELVTLSSLSSAIK HESNFMQRCE VSKGKSSVVAALSDRR ENIHPYRKELQREKKKMLQTNLK VSGALYREITLKVAEVQLKSDFAAQKLSN

GENE INFORMATION

Gene Name	FANCB Fanconi anemia, complementation group B [Homo sapiens]
Official Symbol	FANCB
Synonyms	FANCB; Fanconi anemia, complementation group B; Fanconi anemia group B protein; FAAP95; FAB; FLJ34064;
Gene ID	2187
mRNA Refseq	NM_001018113
Protein Refseq	NP_001018123
MIM	300515
Uniprot ID	Q8NB91
Chromosome Location	Xp22.2

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Pathway

DNA Repair, organism-specific biosystem; FA core complex, organism-specific biosystem; Fanconi Anemia pathway, organism-specific biosystem; Fanconi anemia pathway, organism-specific biosystem; Fanconi anemia pathway, conserved biosystem;

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