

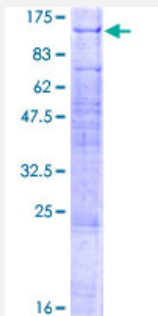
Full-Length

FANCB (Human) Recombinant Protein (P01)

Catalog # H00002187-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human FANCB full-length ORF (NP_001018123.1, 1 a.a. - 859 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTSKQAMSSNEQERLLCYNGEVLVFQLSKGNFADKEPTKTPILHVRRMVFDRTGKVFVQKSTGF
FTIKEENSHLKIMCCNCVSDFRGTGINLPYVIEKNKKNNVFEYFLLILHSTNKFEMRLSFKLGEMKD
GLRVLNGPLILWRHVKAFFFISSQTGKVSVSGNFSSIQWAGEIENLGMVLLGLKECCLSEEECTQ
EPSKSDYAWNTKFCVYSLESQEVLSDIYIPAYSSVVTVVHICATEIKNQLRISLIALTRKNQLISFQN
GTPKNVCQLPFGDPCAVQLMDSGGGNLFFVVSFISNNACAVWKESFQVAAKWEKLSLVLIDDFI
GSGTEQVLLLFKDSLNSDCLTSFKITDLGKINYSSEPSDCNEDDLFEDKQENRYLVVPPLETGLKV
CFSSFRELQRHLLLEKEIISKSYKALINLVQGKDDNTSSAEKECLVPLCGEEENSVHILDEKLSDN
FQDSEQLVEKMYRVIDDSLTVGVKTTSSLKLSLNDVTLSSLMDQAHSRFRLLKQNRVIKLSLN
PFPAPYLMPCIEGLEAKRVTLTPDSKKEESFVCEHPSKKECVQIITAVTSLSPLLTFSKFCCTVLLQ
IMERESGNCPKDRYVVCGRVFLSLEDLSTGKYLLTFPKKKPIEHMEDLFALLAAFHKSCFQITSPG
YALNSMKVWLLLEHMKCEIIEFPEVYFCERPGSFYGTFTWKQRTPFEGILIIYSRNQTVMFQCLHN
LIRLIPINCFKLNKSGSENFLIDNMAFTLEKELVTLSSLSAIAKHESNFMQRCEVSKGKSSVAAAA
LSDRRENIHPYRKELQREKKKMLQTNLKVSGALYREITLKVAEVQLKSDFAAQKLSNL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

124.1

Interspecies Antigen Sequence

Mouse (49); Rat (50)

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 — FANCB

Entrez GeneID	2187
GeneBank Accession#	NM_001018113.1
Protein Accession#	NP_001018123.1
Gene Name	FANCB
Gene Alias	FA2, FAAP90, FAAP95, FAB, FACB
Gene Description	Fanconi anemia, complementation group B
Omim ID	300514 300515 314390
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 B. Alternative splicing results in two transcript variants encoding the same protein. [provided by RefSeq]

Other Designations

Fanconi anemia complementation group B|OTTHUMP00000022953|type 2 Fanconi pancytopenia

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Neoplastic Syndromes](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)