abcam

Product datasheet

Recombinant Human FANCB protein ab158417

1 Image

Overview

Product name	Recombinant Human FANCB protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	MTSKQAMSSNEQERLLCYNGEVLVFQLSKGNFADKE PTKTPILHVRRMVF DRGTKVFVQKSTGFFTIKEENSHLKIMCCNCVSDFRTG INLPYIVIEKNK KNNVFEYFLLILHSTNKFEMRLSFKLGYEMKDGLRVLN GPLILWRHVKAF FFISSQTGKVVSVSGNFSSIQWAGEIENLGMVLLGLKE CCLSEEECTQEP SKSDYAIWNTKFCVYSLESQEVLSDIYIIPPAYSSVVTYV HICATEIIKN QLRISLIALTRKNQLISFQNGTPKNVCQLPFGDPCAVQL MDSGGGNLFFV VSFISNNACAVWKESFQVAAKWEKLSLVLIDDFIGSGT EQVLLLFKDSLN SDCLTSFKITDLGKINYSSEPSDCNEDDLFEDKQENRY LVVPPLETGLKV CFSSFRELRQHLLLKEKIISKSYKALINLVQGKDDNTSS AEEKECLVPLC GEEENSVHILDEKLSDNFQDSEQLVEKIWYRVIDDSLV VGVKTTSSLKLS LNDVTLSLLMDQAHDSRFRLLKCQNRVIKLSTNPFPAP YLMPCEIGLEAK RVTLTPDSKKEESFVCEHPSKKECVQIITAVTSLSPLLT FSKFCCTVLLQ IMERESGNCPKDRYVVCGRVFLSLEDLSTGKYLLTFPK KKPIEHMEDLFA

LLAAFHKSCFQITSPGYALNSMKVWLLEHMKCEIIKEFP
EVYFCERPGSF
YGTLFTWKQRTPFEGILIIYSRNQTVMFQCLHNLIRILPIN
CFLKNLKSG
SENFLIDNMAFTLEKELVTLSSLSSAIAKHESNFMQRC
EVSKGKSSVVAA
ALSDRRENIHPYRKELQREKKKMLQTNLKVSGALYREI
TLKVAEVQLKSD FAAQKLSNL

Amino acids	1 to 859
Tags	GST tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab158417** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA Western blot
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

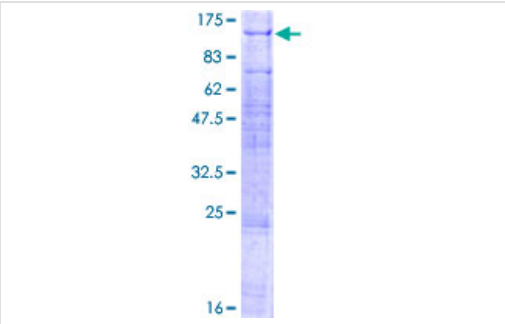
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	DNA repair protein required for FANCD2 ubiquitination.
Involvement in disease	Defects in FANCB are the cause of Fanconi anemia complementation group B (FANCB) [MIM:300514]. It is 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. Defects in FANCB are the cause of X-linked VACTERL-H (XVACTERL-H) [MIM:314390]; also known as X-linked VACTERL association with hydrocephalus syndrome. VACTERL is an acronym for vertebral anomalies, anal atresia, cardiac malformations, tracheoesophageal fistula, renal anomalies (urethral atresia with hydronephrosis), and limb anomalies (hexadactyly, humeral hypoplasia, radial aplasia, and proximally placed thumb). Some cases of VACTERL-H are associated with increased chromosome breakage and rearrangement.
Cellular localization	Nucleus.

Images



SDS-PAGE - Recombinant Human FANCB protein (ab158417)

ab158417 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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