Recombinant Full Length Human FANCA Protein, GST-tagged

Cat. No. FANCA-4662HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FANCA full-length ORF (AAH08979, 1 a.a. - 297 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	297 amino acids
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 A. Alternative splicing results in multiple transcript variants encoding different isoforms. Mutations in this gene are the most common cause of Fanconi anemia. [provided by RefSeq, Jul 2008]
Molecular Mass	58.41 kDa
AA Sequence	MSDSWVPRSASGQDPGGRRRAWAELLAGRVKREKYNPERAQKLKESAVRLLRSH

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	QDLNALLLEVEGPLCKKLSLSKVIDCDSSEAYANHSSSFIGSALQDQASRLGVPVGIL SAGMVASSVGQICTAPAETSHPVLLTVEQRKKLSSLLEFARYLLAHSMFSRLSFCQE LWKIQSSLLLEAVWHLHVQGIVSLQELLESHPDMHAVGSWLFRNLCCLCEQMEASC QHADVARAMLSDFVQMFVLRGFQKNSDLRRTVEPEKMPQVAVDVLQRMLIFALDAL AAGVQEESSTHKIVRC
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	FANCA Fanconi anemia, complementation group A [Homo sapiens]
Official Symbol	FANCA
Synonyms	FANCA; Fanconi anemia, complementation group A; FACA, FANCH; Fanconi anemia group A protein; FA H; FAA; FAH; Fanconi anemia, type 1; Fanconi anemia, complementation group H; FA; FA1; FA-H; FACA; FANCH; MGC75158;
Gene ID	2175
mRNA Refseq	NM_000135

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Protein Refseq	NP_000126
MIM	607139
UniProt ID	O15360

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