

Recombinant Full Length Human FANCL (I309S) Protein, GST tagged

Cat. No. FANCL-026H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human FANCL (I309S) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect Cells
ProteinLength	1-375 aa
Description	This gene encodes a ubiquitin ligase that is a member of the Fanconi anemia complementation group (FANC). Members of this group are related by their assembly into a common nuclear protein complex rather than by sequence similarity. This gene encodes the protein for complementation group L that mediates monoubiquitination of FANCD2 as well as FANCI. Fanconi anemia is a genetically heterogeneous recessive disorder characterized by cytogenetic instability, hypersensitivity to DNA crosslinking agents, increased chromosomal breakage, and defective DNA repair. Alternative splicing results in multiple transcript variants.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 1mM DTT, 10% glycerol.
Molecular Mass	~69 kDa
Purity	> 70% by densitometry.

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Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. 1yr at –70 centigrade from date of shipment.
Concentration	0.1 µg/µL
Shipping	Dry Ice
Reference	1. Meetei.et.al: A novel ubiquitin ligase is deficient in Fanconi anemia. Nature Genet. 35: 165-170, 2003. 2. Zhang, Y.et.al: UBE2W interacts with FANCL and regulates the monoubiquitination of Fanconi anemia protein FANCD2. Molec. Cells 31: 113-122, 2011.

GENE INFORMATION

Gene Name	FANCL Fanconi anemia, complementation group L [Homo sapiens (human)]
Official Symbol	FANCL
Synonyms	FANCL; Fanconi anemia, complementation group L; PHD finger protein 9, PHF9; E3 ubiquitin-protein ligase FANCL; FAAP43; FLJ10335; Pog; PHD finger protein 9; fanconi anemia group L protein; fanconi anemia-ass centigradeiated polypeptide of 43 kDa; POG; PHF9;
Gene ID	55120
mRNA Refseq	NM_018062
Protein Refseq	NP_060532

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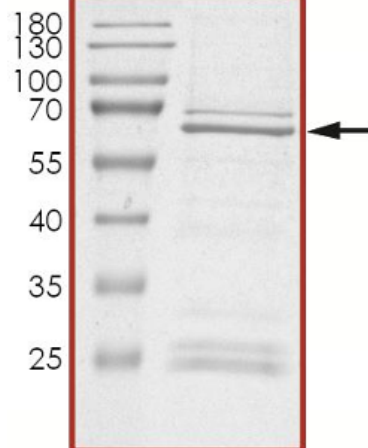
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MIM 608111

UniProt ID Q9NW38

SDS-PAGE and WB



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