Recombinant Human FANCL, GST-tagged

Cat. No. FANCL-191H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human FANCL was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	FANCL or Fanconi anemia complementation group L is a member of the Fanconi anemia complementation group. Fanconi anemia is a genetically heterogeneous recessive disorder characterized by cytogenetic instability, hypersensitivity to DNA crosslinking agents, increased chromosomal breakage, and defective DNA repair. FANCL is crucial in the FA pathway as the catalytic subunit required for monoubiquitination of FANCD2. UBE2W interacts with FANCL and regulates the monoubiquitination of Fanconi anemia protein FANCD2.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~67 kDa
Purity	>75% by densitometry
Applications	Western Blot
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller

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	quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 μg/μl

GENE INFORMATION

Gene Name	FANCL Fanconi anemia, complementation group L [Homo sapiens]
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-associated polypeptide of 43 kDa; POG; PHF9;
Gene ID	55120
mRNA Refseq	NM_001114636
Protein Refseq	NP_001108108
MIM	608111
UniProt ID	Q9NW38
Chromosome Location	2p16.1
Pathway	BARD1 signaling events, organism-specific biosystem; DNA Repair, organism-specific biosystem; FA core complex, organism-specific biosystem; Fanconi Anemia

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	pathway, organism-specific biosystem; Fanconi anemia pathway, organism-specific biosystem; Fanconi anemia pathway, conserved biosystem; Ubiquitin mediated proteolysis, organism-specific biosystem;
Function	ligase activity; metal ion binding; ubiquitin-protein ligase activity; ubiquitin-protein ligase activity; zinc ion binding;

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