Recombinant Human FANCL, His-tagged

Cat. No. FANCL-12741H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FANCL protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-375a.a.
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 L. Alternative splicing results in two transcript variants encoding different isoforms.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM

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	Imidazole and 0.7% Sarcosyl, 15%glycerol.

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 pathway, organism-specific biosystem; Fanconi anemia pathway, organism-specific biosystem; Fanconi anemia pathway, conserved biosystem; Ubiquitin mediated proteolysis, organism-specific biosystem;

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Function	ligase activity; metal ion binding; ubiquitin-protein ligase activity; ubiquitin-protein ligase activity; zinc ion binding;

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