

Human Livin/BIRC7

09/20

CATALOG NO:	P1600-10 10 µg P1600-50 50 µg
ALTERNATE NAMES:	KIAP, LIVIN, ML-IAP, RNF50, MLIAP
MOL. WT.	The recombinant human Livin/BIRC7 consists of 304 amino acids with a predicted molecular mass of 33.6 kDa. It migrates as an approximately 35 kDa band in SDS-PAGE under reducing conditions.
SOURCE:	<i>E.coli</i>
SPECIES:	Human
PURITY:	>85% as determined by SDS-PAGE
ACCESSION NO.	AAH14475.1
AMINO ACID SEQUENCE:	A DNA sequence encoding the human Livin/BIRC7 (AAH14475.1) (Met1-Ser298) is expressed with a polyhistidine tag at the C-terminus.
TAG:	His Tag
FORM:	Liquid
FORMULATION:	In 50 mM Tris, 200 mM NaCl, pH 8.0.
BIOLOGICAL ACTIVITY:	Human Livin/BIRC7 reversibly inhibits DEVD-AFC cleavage activity in cell extracts activated by the addition of cytochrome c and dATP. The IC ₅₀ for this effect is typically 0.6-3.0 µM.
STORAGE CONDITIONS:	Protein should be aliquoted and stored at -20°C or -80°C. Avoid repeated freeze-thaw cycles.
DESCRIPTION:	Livin/BIRC7 is a member of the inhibitor of apoptosis protein (IAP) family. Its inhibits apoptosis through the inhibition of CASP3, CASP7, CASP9 and shows E3 ubiquitin-protein ligase activity. It promotes Smac/DIABLO degradation by ubiquitin-proteasome pathway. It is expressed in fetal tissues and most solid tumors in humans. Livin/BIRC7 expression is a novel prognostic marker in adult acute leukemia. It might be involved in adrenocortical tumorigenesis and represents a new molecular marker of malignancy.

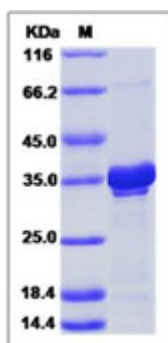


Fig A. SDS-PAGE of Human Livin/BIRC7

RELATED PRODUCTS:

Caspase-8, human recombinant (Cat. No. 1088)
 Smac/DIABLO Antibody (Cat. No. 3298)
 Caspase-1, human recombinant (Cat. no. 1081)
 Caspase-8, mouse recombinant (Cat. No. 1188)
 Caspase-3, human recombinant (Cat. No. 1083)

FOR RESEARCH USE ONLY! Not to be used on humans.