

Product datasheet for **SC123167**

Livin (BIRC7) (NM_139317) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Livin (BIRC7) (NM_139317) Human Untagged Clone
Tag:	Tag Free
Symbol:	Livin
Synonyms:	KIAP; LIVIN; ML-IAP; MLIAP; RNF50
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_139317 edited
 GTCTGGTGGCAGGCCTGTGCCTATCCCTGCTGTCCCAGGGTGGGCCCGGGGTCAGGA
 GCTCCAGAAGGGCCAGCTGGGCATATTCTGAGATTGGCCATCAGCCCCATTCTGCTGC
 AAACCTGGTCAGAGCCAGTGTTCCCTCCATGGGACCTAAAGACAGTGCCAAGTGCCTGCA
 CCGTGGACCACAGCCGAGCCACTGGGCAGCCGGTGATGGTCCCACGCAGGAGCGCTGTGG
 ACCCCGCTCTCTGGGCAGCCCTGTCTAGGCCTGGACACCTGCAGAGCCTGGGACCACGT
 GGATGGGCAGATCCTGGGCCAGCTGCGGCCCTGACAGAGGAGGAAGAGGAGGAGGGCGC
 CGGGGCCACCTTGTCCAGGGGGCCTGCCTTCCCCGGCATGGGCTCTGAGGAGTTGCGTCT
 GGCCTCCTTCTATGACTGGCCGCTGACTGCTGAGGTGCCACCCGAGCTGCTGGCTGCTGC
 CGGCTTCTTCCACACAGGCCATCAGGACAAGGTGAGGTGCTTCTTCTGCTATGGGGCCT
 GCAGAGCTGGAAGCGCGGGGACGACCCCTGGACGAGCATGCCAAGTGGTCCCCAGCTG
 TCAGTTCCCTGCTCCGGTCAAAGGAAGAGACTTTGTCCACAGTGTGCAGGAGACTCACTC
 CCAGCTGCTGGGCTCCTGGGACCCGTGGGAAGAACCAGGAAGACGCAGCCCCTGTGGCCCC
 CTCCGTCCTGCCTCTGGGTACCCTGAGCTGCCACACCCAGGAGAGAGGTCCAGTCTGA
 AAGTGCCAGGAGCCAGGAGGGGTGAGTCCAGCCAGGCCAGAGGGCGTGGTGGTTCT
 TGAGCCCCAGGAGCCAGGGATGTGGAGGCGCAGCTGCGGCGGCTGCAGGAGGAGAGGAC
 GTGCAAGGTGTGCTGGACCGCCCGTGTCCATCGTCTTGTGCCGTGCGGCCACCTGGT
 CTGTGCTGAGTGTGCCCCGGCCTGCAGCTGTGCCCATCTGCAGAGCCCCCGTCCGAG
 CCGCGTGCGCACCTTCTGTCTAGGCCAGGTGCCATGGCCGGCCAGGTGGGCTGCAGAG
 TGGGCTCCCTGCCCTCTGCTGCTGTTCTGGACTGTGTTCTGGGCTGCTGAGGATGGCA
 GAGCTGGTGTCCATCCAGCACTGACCAGCCCTGATTCCCCGACCACCGCCAGGGTGGAG
 AAGGAGGCCCTTGCTTGGCGTGGGGATGGCTTAACTGTACCTGTTTGGATGCTTCTGAA
 TAGAAATAAAGTGGGTTTTCCCTGGAGGTAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_139317 unedited NGAAGCGTACAAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGTC TGGTGGCAGGCCCTGTGCCTATCCCTGCTGTCCCAGGTGGGCCCGGGGGTCAGGAGCTC CAGAAGGGCCAGCTGGGCATATTCTGAGATTGGCCATCAGCCCCATTTCTGCTGCAAAC CTGGTCAGAGCCAGTGTCCCTCCATGGGACCTAAAGACAGTGCCAAGTGCCTGCACCGT GGACCACAGCCGAGCCACTGGGCAGCCGGTGATGGTCCCACGCAGGAGCGCTGTGGACCC CGCTCTCTGGGCAGCCCTGTCTAGGCCTGGACACCTGCAGAGCCTGGGACCACGTGGAT GGGCAGATCCTGGGCCAGCTGCGGCCCTGACAGAGGAGGAAGAGGAGGGGCGCCGGG GCCACCTTGTCAGGGGGCTGCCTTCCCCGGCATGGGCTCTGAGGAGTTGCGTCTGGCC TCTTCTATGACTGGCCGCTGACTGCTGAGGTGCCACCCGAGCTGCTGGCTGCTGCCGGC TTCTTCCACACAGGCCATCAGGACAAGGTGAGGTGCTTCTTCTGCTATGGGGGCTGCAG AGCTGGAAGCGCGGGGACGACCCCTGGACGAGCATGCCAAGTGGTTCCCAGCTGTCAG TTCCTGCTCCGGTCAAAGGAAGAGACTTTGTCCACAGTGTGCAGGAGACTCACTCCCAG CTGCTGGGCTCCTGGGACCCGTGGGAAGAACCAGGAGAGAGGAGGAGGAGGAGGAGGAGG GTCCCTGCCTCTGGGTACCCTGAGCTGCCACACCCAGGAGAGAGTCCAGTTCTGAAGT GCCCAGGAGCCAGGAGGGGTCAATCCAGCCAGGCCANAGGGCGTGGTGGGTTCTGAA CC
Restriction Sites:	Please inquire
ACCN:	NM_139317
Insert Size:	1312 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_139317.1 , NP_647478.1
RefSeq Size:	1322 bp

RefSeq ORF: 897 bp

Locus ID: 79444

UniProt ID: [Q96CA5](#)

Cytogenetics: 20q13.33

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the inhibitor of apoptosis protein (IAP) family, and contains a single copy of a baculovirus IAP repeat (BIR) as well as a RING-type zinc finger domain. The BIR domain is essential for inhibitory activity and interacts with caspases, while the RING finger domain sometimes enhances antiapoptotic activity but does not inhibit apoptosis alone. Elevated levels of the encoded protein may be associated with cancer progression and play a role in chemotherapy sensitivity. Alternative splicing results in multiple transcript variants [provided by RefSeq, Jul 2013]

Transcript Variant: This variant (1) encodes the longer isoform (alpha). Isoform alpha protects cells from staurosporine-induced apoptosis.