

Product datasheet for RC207627L4

XIAP (NM_001167) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XIAP (NM_001167) Human Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	XIAP
Synonyms:	API3; BIRC4; hIAP-3; hIAP3; IAP-3; ILP1; MIHA; XLP2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207627).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF.

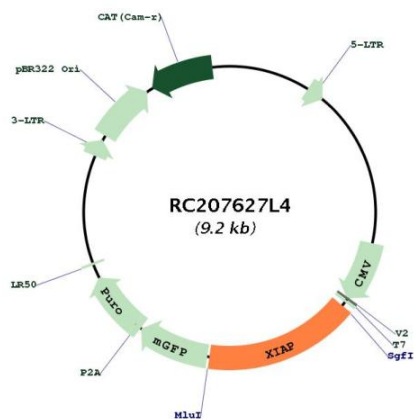
ACCN:	NM_001167
ORF Size:	1491 bp



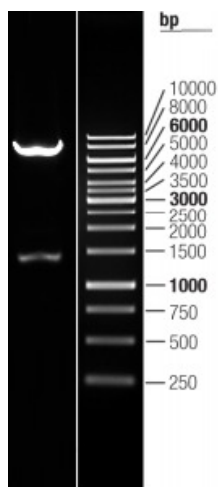
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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), 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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001167.2
RefSeq Size:	8460 bp
RefSeq ORF:	1494 bp
Locus ID:	331
UniProt ID:	P98170
Cytogenetics:	Xq25
Domains:	BIR, RING
Protein Families:	Druggable Genome
Protein Pathways:	Apoptosis, Focal adhesion, NOD-like receptor signaling pathway, Pathways in cancer, Small cell lung cancer, Ubiquitin mediated proteolysis
MW:	56.7 kDa
Gene Summary:	This gene encodes a protein that belongs to a family of apoptotic suppressor proteins. Members of this family share a conserved motif termed, baculovirus IAP repeat, which is necessary for their anti-apoptotic function. This protein functions through binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2 and inhibits apoptosis induced by menadione, a potent inducer of free radicals, and interleukin 1-beta converting enzyme. This protein also inhibits at least two members of the caspase family of cell-death proteases, caspase-3 and caspase-7. Mutations in this gene are the cause of X-linked lymphoproliferative syndrome. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 2 and 11.[provided by RefSeq, Feb 2011]

Product images:



Circular map for RC207627L4



Double digestion of RC207627L4 using SgfI and MluI