

## Product datasheet for **SC334949**

### LAIR1 (NM\_001289023) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LAIR1 (NM_001289023) Human Untagged Clone
Tag:	Tag Free
Symbol:	LAIR1
Synonyms:	CD305; LAIR-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001289023, the custom clone sequence may differ by one or more nucleotides

ATGTCTCCCCACCCACCGCCCTCCTGGGCCTAGTGCTCTGCCTGGCCAGACCATCCACACGCAGGAGG  
 ATCTGCCAGACCCTCCATCTCGGCTGAGCCAGGCACCGTGATCCCCCTGGGAGCCATGTGACTTTCGT  
 GTGCCGGGGCCCGTTGGGGTTCAAACATTCCGCCTGGAGAGGGACAGTAGATCCACATACAATGATACT  
 GAAGATGTGTCTCAAGCTAGTCCATCTGAGTCAGAGGCCAGATTCCGCATTGACTCAGTAAGAGAAGGAA  
 ATGCCGGGCTTTATCGTGCATCTATTATAAGCCCCCTAAATGGTCTGAGCAGAGTGACTACCTGGAGCT  
 GCTGGTAAAAGGACCCACGCAGAGGCCGTCGGACAACAGTCACAATGAGCATGCACCTGCTTCCCAAGGC  
 CTGAAAGCTGAGCATCTGTATTTCTCATCGGGGTCTCAGTGGTCTTCTCTTCTGTCTCCTCCTCTGG  
 TCCTCTTCTGCCTCCATCGCCAGAATCAGATAAAGCAGGGGCCCCAGCAAGCAAGGACGAGGAGCAGAA  
 GCCACAGCAGAGGCCCTGACCTGGCTGTTGATGTTCTAGAGAGGACAGCAGACAAGGCCACAGTCAATGGA  
 CTTCTGAGAAGGACAGAGAGACGGACACCTCGGCCCTGGCTGCAGGGAGTTCCAGGAGGTGACGTATG  
 CTCAGCTGGACCACTGGGCCCTCACACAGAGGACAGCCCGGGCTGTGTCCACAGTCCACAAAGCCCAT  
 GGCCGAGTCCATCACGTATGCAGCCGTTGCCAGACAC**TGA**

Restriction Sites:	SgfI-MluI
ACCN:	NM_001289023
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).


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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001289023.2, NP_001275952.2</u>
<b>RefSeq Size:</b>	2764 bp
<b>RefSeq ORF:</b>	810 bp
<b>Locus ID:</b>	3903
<b>UniProt ID:</b>	<u>Q6GTX8</u>
<b>Cytogenetics:</b>	19q13.42
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>The protein encoded by this gene is an inhibitory receptor found on peripheral mononuclear cells, including natural killer cells, T cells, and B cells. Inhibitory receptors regulate the immune response to prevent lysis of cells recognized as self. The gene is a member of both the immunoglobulin superfamily and the leukocyte-associated inhibitory receptor family. The gene maps to a region of 19q13.4 called the leukocyte receptor cluster, which contains at least 29 genes encoding leukocyte-expressed receptors of the immunoglobulin superfamily. The encoded protein has been identified as an anchor for tyrosine phosphatase SHP-1, and may induce cell death in myeloid leukemias. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]</p> <p>Transcript Variant: This variant (c) lacks an in-frame exon and uses an alternate in-frame splice site in the central coding region, compared to variant 1. The encoded isoform (c) is shorter, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>