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Product datasheet for SC321701

LAIR1 (NM_002287) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LAIR1 (NM_002287) Human Untagged Clone
Tag:	Tag Free
Symbol:	LAIR1
Synonyms:	CD305; LAIR-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_002287.3
CAGAGTTCTGTCCTTGCATTGGTGCGCCTCAGGCCAGGCTGCACTGCTGGGACCTGGGCC
ATGTCTCCCCACCCCACCGCCCTCCTGGGCCTAGTGCTCTGCCTGGCCCAGACCATCCAC
ACGCAGGAGGAAGATCTGCCCAGACCCTCCATCTCGGCTGAGCCAGGCACCGTGATCCCC
CTGGGGAGCCATGTGACTTTCGTGTGCCGGGGCCCGGTTGGGGTTCAAACATTCCGCCTG
GAGAGGGAGAGTAGATCCACATACAATGATACTGAAGATGTGTCTCAAGCTAGTCCATCT
GAGTCAGAGGCCAGATTCCGCATTGACTCAGTAAGTGAAGGAAATGCCGGGCCTTATCGC
TGCATCTATTATAAGCCCCCTAAATGGTCTGAGCAGAGTGACTACCTGGAGCTGCTGGTG
AAAGAAACCTCTGGAGGCCCGGACTCCCCGGACACAGAGCCCGGCTCCTCAGCTGGACCC
ACGCAGAGGCCGTCGGACAACAGTCACAATGAGCATGCACCTGCTTCCCAAGGCCTGAAA
GCTGAGCATCTGTATATTCTCATCGGGGTCTCAGTGGTCTTCCTCTTCTGTCTCCTCCTC
CTGGTCCTCTTCTGCCTCCATCGCCAGAATCAGATAAAGCAGGGGCCCCCCAGAAGCAAG
GACGAGGAGCAGAAGCCACAGCAGAGGCCTGACCTGGCTGTTGATGTTCTAGAGAGGACA
GCAGACAAGGCCACAGTCAATGGACTTCCTGAGAAGGACAGAGAGACGGACACCTCGGCC
CTGGCTGCAGGGAGTTCCCAGGAGGTGACGTATGCTCAGCTGGACCACTGGGCCCTCACA
CAGAGGACAGCCCGGGCTGTGTCCCCACAGTCCACAAAGCCCATGGCCGAGTCCATCACG
TATGCAGCCGTTGCCAGACACTGACCCCATACCCACCTGGCCTCTGCACCTGAGGGTAGA
AAGTCACTCTAGGAAAAGCCTGAAGCAGCCATTTGGAAGGCTTCCTGTTGGATTCCTCTT
CATCTAGAAAGCCAGCCAGGCAGCTGTCCTGGAGACAAGAGCTGGAGACTGGAGGTTTCT
AACCAGCATCCAGAAGGTTCGTTAGCCAGGTGGTCCCTTCTACAATCGAGCAGCTCCTTG
GACAGACTGTTTCTCAGTTATTTCCAGAGACCCAGCTACAGTTCCCTGGCTGTTTCTAGA
GACCCAGCTTTATTCACCTGACTGTTTCCAGAGACCCAGCTAAAGTCACCTGCCTGTTCT
AAAGGCCCAGCTACAGCCAATCAGCCGATTTCCTGAGCAGTGATGCCACCTCCAAGCTTG
TCCTAGGTGTCTGCTGTGAACCTCCAGTGACCCCAGAGACTTTGCTGTAATTATCTGCCC
TGCTGACCCTAAAGACCTTCCTAGAAGTCAAGAGCTAGCCTTGAGACTGTGCTATACACA
CACAGCTGAGAGCCAAGCCCAGTTCTCTGGGTTGTGCTTTACTCCACGCATCAATAAATA
ATTTTGAAGGCCTCAAAAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:	Please inquire
ACCN:	NM_002287
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	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_002287.3, NP_002278.1
RefSeq Size:	2816 bp
RefSeq ORF:	864 bp
Locus ID:	3903
UniProt ID:	Q6GTX8
Cytogenetics:	19q13.42
Domains:	IG
Protein Families:	Transmembrane

Gene Summary:

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]
Transcript Variant: This variant (a) encodes the longest 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.