

## Product datasheet for TP306439L

### LAIR1 (NM\_002287) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human leukocyte-associated immunoglobulin-like receptor 1 (LAIR1), transcript variant a, 1 mg |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC206439 protein sequence<br>Red=Cloning site Green=Tags(s)   |

MSPHPTALLGLVLCLAQTIHTQEEDLPRPSISAEPGTVIPLGSHVTFVCRGPVGVQTFRLERESRSTYND  
TEDVSQASPSESEARFRIDSVSEGNAGPYRCIYYKPPKWSEQSDYLELLVKETSGGPDSPDTEPGSSAGP  
TQRPSDNSHNEHAPASQGLKAEHLYILIGSVWFLFCLLLLVLFLHRQNQIKQGPPRSKDDEEQKPQQR  
DLAVDVLERTADKATVNGLEPKDRETDTSALAAGSSQEVTYAQLDHWALTQRTARAVSPQSTKPMASIT  
YAAVARH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 31.2 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:        | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Preparation:   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                     |
| Note:          | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage:       | Store at -80°C.  |
| Stability:     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |
| RefSeq:        | <a href="#">NP_002278</a>  |
| Locus ID:      | 3903   |



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UniProt ID: [Q6GTX8](#)

RefSeq Size: 2818

Cytogenetics: 19q13.42

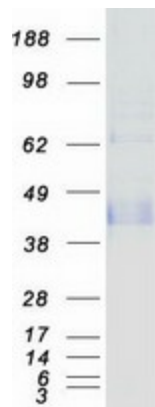
RefSeq ORF: 861

Synonyms: CD305; LAIR-1

**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]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified LAIR1 protein (Cat# [TP306439]). The protein was produced from HEK293T cells transfected with LAIR1 cDNA clone (Cat# [RC206439]) using MegaTran 2.0 (Cat# [TT210002]).