

## Product datasheet for **TP720317M**

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

#### **Product data:**

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| <b>Product Type:</b>                         | Recombinant Proteins   |
| <b>Description:</b>                          | Recombinant protein of human leukocyte-associated immunoglobulin-like receptor 1 (LAIR1), transcript variant a   |
| <b>Species:</b>                              | Human  |
| <b>Expression Host:</b>                      | HEK293   |
| <b>Expression cDNA Clone or AA Sequence:</b> | Q22-Y165   |
| <b>Tag:</b>                                  | C-6His   |
| <b>Predicted MW:</b>                         | 16.5 kDa   |
| <b>Concentration:</b>                        | lot specific   |
| <b>Purity:</b>                               | >95% as determined by SDS-PAGE and Coomassie blue staining   |
| <b>Buffer:</b>                               | Lyophilized from a 0.2 um filtered solution of 2umM PB, 15umM NaCl, pH 7.2   |
| <b>Reconstitution Method:</b>                | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH2O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| <b>Storage:</b>                              | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-5 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.                                  |
| <b>Stability:</b>                            | Stable for at least 6 months from date of receipt under proper storage and handling conditions.  |
| <b>RefSeq:</b>                               | <u><a href="#">NP_002278</a></u>   |
| <b>Locus ID:</b>                             | 3903   |
| <b>UniProt ID:</b>                           | <u><a href="#">Q6GTX8</a></u>  |
| <b>RefSeq Size:</b>                          | 2818   |
| <b>Cytogenetics:</b>                         | 19q13.42   |
| <b>RefSeq ORF:</b>                           | 861  |
| <b>Synonyms:</b>                             | CD305; LAIR-1  |


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**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