

PRODUCT INFORMATION

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| Target | LAIR1 |
| Synonyms | CD305;LAIR-1 |
| Description | Recombinant Human LAIR1 Protein with C-terminal human Fc tag |
| Delivery | In Stock |
| Uniprot ID | Q6GTX8 |
| Expression Host | HEK293 |
| Tag | C-Human Fc Tag |
| Molecular Characterization | LAIR1(Gln22-His163) hFc(Glu99-Ala330) |
| Molecular Weight | The protein has a predicted molecular mass of 41.6 kDa after removal of the signal peptide. The apparent molecular mass of LAIR1-hFc is approximately 35-70 kDa due to glycosylation. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| Storage & Shipping | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Background | 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] |
| Usage | Research use only |
| Conjugate | Unconjugated |





Figure 1. Human LAIR1 Protein, hFc Tag on SDS-PAGE under reducing condition.

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