

## Product datasheet for **TP728045**

### LAIR2 Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Biotinylated Human LAIR2 (C-Avi-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln22-Pro152
Tag:	C-Avi-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Note:	Biotinylated Recombinant Human Leukocyte-Associated Immunoglobulin-Like Receptor 2 is produced by our Mammalian expression system and the target gene encoding Gln22-Pro152 is expressed with a AVI, 6His tag at the C-terminus.
Storage:	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 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	3904
UniProt ID:	<a href="#">Q6ISS4</a>
Summary:	Leukocyte-Associated Immunoglobulin-Like Receptor 2 (LAIR2) is a secreted, 131 amino acid protein that contains one Ig-like C2 type domain, making it a member of the Ig superfamily. When compared to LAIR-1, its transmembrane counterpart, it shares 83% amino acid identity across the signal sequence and extracellular domains; although one is secreted and one is membrane-bound, the two LAIR proteins are thought to have arisen from a common gene ancestor and appear to share similar adhesion profiles. This suggests that LAIR-2 may compete with LAIR-1 for ligand binding. A 114 amino acid alternate splice form of LAIR-2 is truncated at the C terminus, but retains the entire Ig domain. The expression profile of these splice forms, and the presence of orthologs in other species, have not been reported.



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