

Product datasheet for **TP726604**

Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human LILRB2 (C-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln22-His458
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB,150mM NaCl,pH7.4.
Note:	Recombinant Human Leukocyte Immunoglobulin-Like Receptor Subfamily B Member 2 is produced by our Mammalian expression system and the target gene encoding Gln22-His458 is expressed with a Fc 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
Synonyms:	Leukocyte Immunoglobulin-Like Receptor Subfamily B Member 2; LIR-2; Leukocyte Immunoglobulin-Like Receptor 2; CD85 Antigen-Like Family Member D; Immunoglobulin-Like Transcript 4; ILT-4; Monocyte/Macrophage Immunoglobulin-Like Receptor 10; MIR-10; CD85d; LILRB2; ILT4; LIR2; MIR10
Summary:	Members of the immunoglobulin-like transcript (ILT) family are activating and inhibitory immunoreceptors whose genes are located same locus that encodes killer cell Ig-like receptors (KIR). Leukocyte Immunoglobulin-Like Receptor Subfamily B Member 2 (LIR-2) is a type I transmembrane protein. LIR-2 is expressed primarily on monocytes and dendritic cells (DC). Human LIR-2 is produced as a 598 amino acid precursor including a 21 aa signal sequence, a 440 aa extracellular domain (ECD), a 21 aa transmembrane segment, and a 116 aa cytoplasmic domain. LIR-2 binds to Classical MHCI proteins. Ligation of LIR-2 includes Tyr phosphorylation within its cytoplasmic ITIMs, a requirement for association with SHP-1. LIR-2 mediates tolerogenic DC-induced CD4+ T cell energy in vitro and in vivo.



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