

## 32-7439: Recombinant Human Leukocyte Ig-Like Receptor B2/LILRB2/ILT4/CD85d (C-6His)(Discontinued)

**Gene :** LILRB2  
**Uniprot ID :** Q8N423

### Description

Source: Human Cells.  
MW :48.57kD.

Recombinant Human LILRB2 is produced by our Mammalian expression system and the target gene encoding Gln22-His458 is expressed with a 6His tag at the C-terminus. 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 MHC I 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.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

**Storage condition :** 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.

**Amino Acid :** QTGTIPKPTLWAEPSVITQGSPTLSCQGSLEAQEYRLYREKKSASWITRIRPELVKNGQFHIPSITWEHTGRY  
GCQYYSRARWSELS DPLVLMTGAYPKPTLSAQSPVVTSGGRVTLQCESQVAFGGFILCKEGEDHPQCLNS  
QPHARGSSRAIFSVGPVSPNRRWSHRCYGYDLNSPVVWSSPSDLELLVPGVSKKPSLSVQPGPVVAPGESLTL  
QCVDVGYDRFVLYKEGERDLRQLPGRQPQAGLSQANFTLGPVSRSYGGQYRCYGAYNLSSEWSAPSDPLDIL  
ITGQIHGTPFISVQPGPTVASGENVTLLCQSWRQFHTFLLTKAGAADAPLRRLRSIHEYPKYQAEFFMSPVTSAHA  
GTYRCYGLNSDPYLLSHPSEPLELVSGPSMGSSPPPTGPISTPAGPEDQPLTPTGSDPQSGGLGRHVDHHHHH  
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### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.