

LILRB1/CD85j/ILT2 Protein, Rhesus Macaque (HEK293, His)

Cat. No.:	HY-P72520
Synonyms:	Leukocyte Immunoglobulin-Like Receptor Subfamily B Member 1; LILRB1; CD85j; ILT2; LIR-1; MIR7
Species:	Rhesus Macaque
Source:	HEK293
Accession:	F7H3G7 (S17-H456)
Gene ID:	692340
Molecular Weight:	60-85 kDa

PROPERTIES

AA Sequence	<pre> S R T R V Q A G T F P K P T L W A E P G S M I S K G S P V T L R C Q G S L P V Q D Y R L Q R E K K T A S W V R R I Q Q E L V K K G Y F P I A S I T S E H A G Q Y R C Q Y Y S H S W W S E P S D P L E L V V T G A Y S K P T L S A L P S P V V A S G G N V T L Q C D S Q V A G G F V L C K E G E D E H P Q C L N S Q P H T R G S S R A V F S V G P V S P S R R W S Y R C Y G Y D S R S P Y V W S L P S D L L E L L V P G V S K K P S L S V Q P G P V V A P G D K L T L Q C G S D A G Y N R F A L Y K E G E R D F L Q R P G R Q P Q A G L S Q A N F L L D P V R R S H G G Q Y R C S G A H N L S S E W S A P S D P L D I L I A G Q I R G R P S L L V Q P G P T V V S G E N V T L L C Q S S W Q F H V F L L T Q A G A A D A H L H L R S M Y K Y P K Y Q A E F P M S P V T S A H A G T Y R C Y G S H S S D S Y L L S I P S D P L E L V V S G P S G G P S S P T T G P T S T C G P E D Q P L T P T G S D P Q S G L G R H </pre>
Biological Activity	Measured by its ability to inhibit proliferation of Jurkat human T-lymphocyte leukemia cells. The ED ₅₀ this effect is 0.9206 μg/ml, corresponding to a specific activity is 1.09×10 ³ units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

LILRB1/CD85j/ILT2 Protein a member of the leukocyte immunoglobulin-like receptor (LIR) family which contain two or four extracellular immunoglobulin domains, a transmembrane domain, and two to four cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs)^[2]. LILRB1/CD85j/ILT2 Protein is expressed on immune cells where it binds to MHC class I molecules on antigen-presenting cells and transduces a negative signal that inhibits stimulation of an immune response. It is thought to control inflammatory responses and cytotoxicity to help focus the immune response and limit autoreactivity^[3]

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA