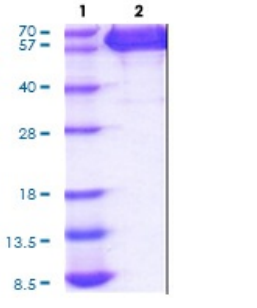
Bioactive

LILRB1 (Human) Recombinant Protein

Catalog # P8083 Size 100 ug

Applications



Specification

Product Description	Human LILRB1 (Q8NHL6, 24 a.a. - 461 a.a.) partial length recombinant protein His tag expressed in Baculovirus expression system.
Sequence	GHLPKPTLWAEPGSVITQGSPVTLRCQGGQETQEYRLYREKKTALWITRIPQELVKKGQFPIPSITW EHAGRYRCYYGSDTAGRSESSDPLELVVTGAYIKPTLSAQPSPVVNSGGNVILQCDSQVAFDGFS LCKEGEDEHPQCLNSQPHARGSSRAIFSVGPVSPSRRWWYRCYAYDSNSPYEWSLPSDLLELL VLGVSKKPSLSVQPGPIVAPEETLTLQCGSDAGYNRFVLYKDGERDFLQLAGAQPQAGLSQANF TLGPVSRSYGGQYRCYGAHNLSSEWSAPSDPLDILIAGQFYDRVSLSVQPGPTVASGENVTLLCQ SQGWMQTFLLTKEGAADDPWRLRSTYQSQKYQAEFPMGPVTSAHAGTYRCYGSQSSKPYLLTH PSDPLELVVSGPSGGPSSPTTGPTSTSGPEDQPLTPTGSDPQSGLGRHLGV
Host	Viruses
Theoretical MW (kDa)	48.5
Form	Liquid
Preparation Method	Baculovirus expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)

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Activity	Measured by the ability of the immobilized protein to support the adhesion of HSB2 human peripheral blood acute lymphoblastic leukemia cells. When cells are added to LILRB1 coated plates 5 ug/ml. This effect is more to 50%.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In Phosphate-Buffer Saline pH 7.4 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — LILRB1

Entrez GeneID	10859
Protein Accession#	Q8NHL6
Gene Name	LILRB1
Gene Alias	CD85, CD85J, FLJ37515, ILT2, LIR-1, LIR1, MIR-7, MIR7
Gene Description	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1
Omim ID	604811
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family, which is found in a gene cluster at chromosomal region 19q13.4. The encoded protein belongs to the subfamily B class of LIR receptors which contain two or four extracellular immunoglobulin domains, a transmembrane domain, and two to four cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs). The receptor 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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq

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Other Designations	CD85 antigen|Ig-like transcript 2|OTTHUMP00000068384|OTTHUMP00000068385|OTTHUMP00000068386|OTTHUMP00000068408|immunoglobulin-like transcript 2|leukocyte Ig-like receptor-1|leukocyte immunoglobulin-like receptor 1|leukocyte immunoglobulin-like receptor sub

Disease

- Arthritis
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease

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