

Recombinant Human LILRA2, His-tagged

Cat. No. LILRA2-114H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human Leukocyte Immunoglobulin-Like Receptor Subfamily A Member 2/LILRA2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Gly24-Ser420) of Human LILRA2 fused with a polyhistidine tag at the C-terminus.

Species Human

Source HEK293

ProteinLength 24-420 a.a.

Description Leukocyte Immunoglobulin-Like Receptor Subfamily A Member 2 (LILRA2) is a single-pass type I membrane protein. LILRA2 is expressed predominantly on monocytes and B cells, and at lower levels on dendritic cells and natural killer cells. LILRA2 contains four Ig-like C2-type domains, with short cytoplasmic domains lacking an immunoreceptor tyrosine-based inhibitory motif (ITIM) and with transmembrane regions containing a charged arginine residue, may initiate stimulatory cascades. LILRA2 does not bind class I MHC antigens.

AA Sequence
 GHLPKPTLWAEPGSVIIQGSPVTLRCQGSLQAEYHLYRENKSASWVRRRIQEPGKN
 GQFPIPSIT WEHAGRYHCQYYSHNHSSEYSDPLELVVTGAYSKPTLSALPSPVVTL
 GGNVTLQCVSQAFAFDGFI LCKEGEDEHPQRLNSHSHARGWSWAIFSVGPVSPSRR
 WSYRCYAYDSNSPYVWSLPSDLELLVLP GVSKKPSLSVQP GPMVAPGESLTLQCV
 SDVGYDRFVLYKEGERDFLQRPGWQPQAGLSQANFTLG PVSPSHGGQYRCYSAH

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NLSSEWSAPSDPLDILITGQFYDRPSLSVQPVPTVAPGKNVTLLCQSRG QFHTFLLT
 KEGAGHPPLHLRSEHQAAQQNQAEFRMGPVTSAHVGTYRCYSSLSSNPYLLSLPSD
 PL ELVVSASVDHHHHHHH

Endotoxin Less than 0.1 ng/μg (1 IEU/μg).

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

GENE INFORMATION

Gene Name LILRA2 leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2 [*Homo sapiens*]

Official Symbol LILRA2

Synonyms LILRA2; leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2; leukocyte immunoglobulin-like receptor subfamily A member 2; CD85h; ILT1; LIR 7; LIR7; ILT-1; immunoglobulin-like transcript 1; CD85 antigen-like family member H; leukocyte immunoglobulin-like receptor 7; leukocyte immunoglobulin-like receptor subfamily A member 2 soluble; CD85H; LIR-7;

Gene ID 11027

mRNA Refseq NM_001130917

Protein Refseq NP_001124389

MIM 604812

UniProt ID Q8N149

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Chromosome Location	19q13.4
Pathway	Osteoclast differentiation, organism-specific biosystem; Osteoclast differentiation, conserved biosystem;
Function	antigen binding; receptor activity;

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