

Recombinant Human LILRA4 protein, His-Avi-tagged

Cat. No. LILRA4-901H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LILRA4 Protein is expressed from mammalian with His and Avi Tag at the C-terminal. It contains Glu24-Asn446.
Species	Human
Source	HEK293
ProteinLength	Glu24-Asn446
Description	LILRA4, also known as ILT7 and CD85g, is an approximately 60-70 kDa variably glycosylated transmembrane protein that regulates immune cell activation. Mature human LILRA4 consists of a 423 amino acid (aa) extracellular domain (ECD) with four immunoglobulin-like domains, a 21 aa transmembrane segment, and a 32 aa cytoplasmic domain. LILRA4 function coreceptor to limit the innate immune responses to viral infections; signaling occurs via FCER1G (PubMed:16735691, PubMed:19564354). Down-regulates the production of IFNA1, IFNA2, IFNA4, IFNB1 and TNF by plasmacytoid dendritic cells that have been exposed to influenza virus or cytidine-phosphate-guanosine (CpG) dinucleotides, indicating it functions as negative regulator of TLR7 and TLR9 signaling cascades.
Form	Supplied as 0.22um filtered solution in PBS (pH 7.4).
Molecular Mass	The protein has a predicted MW of 49.5 kDa .Due to glycosylation, the protein migrates to 60-75 KDa based on Bis-Tris PAGE result.

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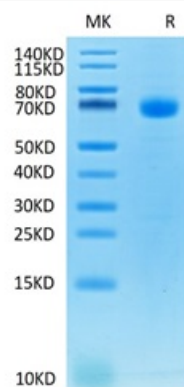
Endotoxin	Less than 0.2 EU per ug by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Storage	The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.
GENE INFORMATION	
Gene Name	LILRA4 leukocyte immunoglobulin like receptor A4 [Homo sapiens (human)]
Official Symbol	LILRA4
Synonyms	CD85 antigen-like family member G; CD85g antigen; CD85g; ILT7; ILT-7; ILT7MGC129598; Immunoglobulin-like transcript 7; leukocyte immunoglobulin-like receptor subfamily A member 4; leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 4; leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member4; LILRA4; MGC129597
Gene ID	23547
mRNA Refseq	NM_012276.5
Protein Refseq	NP_036408.4
MIM	607517
UniProt ID	P59901

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**Tris-Bis PAGE of
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