

## Recombinant Human LILRA4 protein, His-Avi-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Human LILRA4 Protein is expressed from mammalian with His and Avi Tag at the C-terminal. It contains Glu24-Asn446.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Glu24-Asn446
<b>Description</b>	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.
<b>Form</b>	Supplied as 0.22um filtered solution in PBS (pH 7.4).
<b>Molecular Mass</b>	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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<b>Endotoxin</b>	Less than 0.2 EU per ug by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
<b>Storage</b>	The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.

## GENE INFORMATION

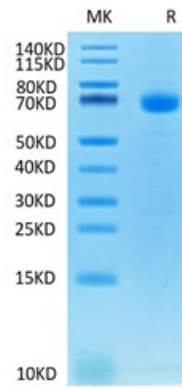
<b>Gene Name</b>	LILRA4 leukocyte immunoglobulin like receptor A4 [ Homo sapiens (human) ]
<b>Official Symbol</b>	LILRA4
<b>Synonyms</b>	CD85 antigen-like family member G; CD85g antigen; CD85g; ILT7; ILT-7; ILT7MGC129598; Immunoglobulin-like transcript 7; leukocyte immunoglobulin-like receptor subfamily 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
<b>Gene ID</b>	23547
<b>mRNA Refseq</b>	NM_012276.5
<b>Protein Refseq</b>	NP_036408.4
<b>MIM</b>	607517
<b>UniProt ID</b>	P59901

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**Tris-Bis PAGE of  
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