

# Biotinylated Recombinant Human LILRA4/ILT-7/CD85g Protein

RPCB0091



## Product Information

**Product SKU:** RPCB0091      **Gene ID:** 23547      **Size:** 100µg  
**Tag:** C-His&Avi      **Reactivity:** Human

## Additional Information

**Expression Host:** -      **Swissprot:** P59901  
**Purity:** > 95% by Tris-Bis PAGE and HPLC

## Protein Information

**Background:** 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.

**Protein Description:** High quality, high purity and low endotoxin recombinant Biotinylated Recombinant Human LILRA4/ILT-7/CD85g Protein, tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

**Endotoxin:** < 1 EU/µg of the protein by LAL method.

**Formulation:** Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or formulation.

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**Storage:**

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.