

# Recombinant Human LILRB1 Protein, C-His-tagged, Biotinylated

## Product Information

<b>Cat</b>	IMP-1322
<b>Official Symbol</b>	LILRB1
<b>Product Overview</b>	Recombinant human LILRB1 (ADJ55949.1) (Met1-His458) was expressed with a C-terminal polyhistidine tag. The purified protein was biotinylated in vitro.
<b>Description</b>	LILRB1 (Leukocyte Immunoglobulin Like Receptor B1) is a Protein Coding gene. 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). LILRB1 is encoded within the leukocyte receptor complex on 19q13.4, previously implicated to be a susceptibility region to systemic lupus erythematosus (SLE). LILRB1 binds to a wide range of Major Histocompatibility Complex Class I molecules (MHCIs) and transduces negative signals that can, for example, prevent the killing of MHC1-expressing cells. LILRB1 transcription is correlated with surface protein expression on NK cells. Diseases associated with LILRB1 include Alzheimer's Disease 12 and Severe Pre-Eclampsia.
<b>Expression System</b>	HEK293
<b>Species</b>	Human
<b>Tag</b>	C-His
<b>Predicted N Terminal</b>	Gly 24
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.
<b>Molecular Mass</b>	The recombinant human LILRB1 consists of 446 amino acids and predicts a molecular mass of 48.7 kDa.
<b>Protein length</b>	Met1-His458
<b>Endotoxin</b>	< 1.0 EU/μg protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	A hardcopy of COA with reconstitution instruction is sent along with the

products. Please refer to it for detailed information.

## **SDS-PAGE**

