

# Human PILRA (R78G) Protein

Cat. No. PRA-HM102



## Description

<b>Source</b>	Recombinant Human PILRA (R78G) Protein is expressed from HEK293 with His tag at the C-terminus. It contains Gln20-Ala197 (R78G).
<b>Accession</b>	Q9UKJ1-1
<b>Molecular Weight</b>	The protein has a predicted MW of 21.09 kDa. Due to glycosylation, the protein migrates to 35-50 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

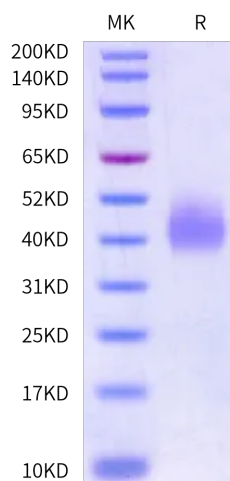
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Paired immunoglobulin-like type 2 receptor alpha (PILRA), which is mainly expressed on immune cells, including macrophages, dendritic cells and granulocytes, is related to regulation of broad immune responses. Bearing two immunoreceptor tyrosine-based inhibition motifs (ITIMs) in its cytoplasmic domain, PILRA functions to transmit inhibitory signals by recruiting SHP-1 and SHP-2, upon recognition of ligands such as CD99, neuronal differentiation proliferation factor-1 and CD8A, etc.

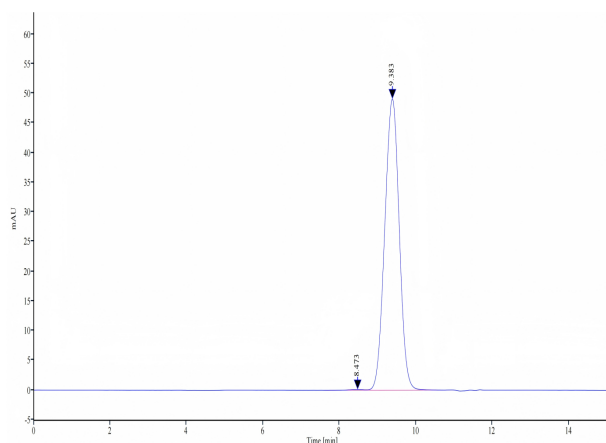
## Assay Data

### Bis-Tris PAGE



Human PILRA (R78G) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



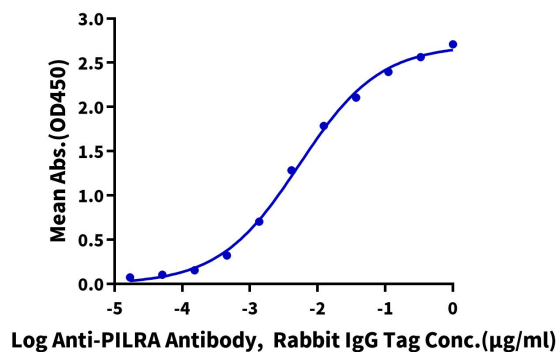
The purity of Human PILRA (R78G) is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Human PILRA (R78G), His Tag ELISA**

0.05µg Human PILRA (R78G), His Tag Per Well



Immobilized Human PILRA (R78G), His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-PILRA Antibody, Rabbit IgG Tag with the EC50 of 5.4ng/ml determined by ELISA.