

# Mouse PILRA Protein

Cat. No. PRA-MM101

## Description

<b>Source</b>	Recombinant Mouse PILRA Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu32-Val197.
<b>Accession</b>	Q2YFS3-1
<b>Molecular Weight</b>	The protein has a predicted MW of 19.71 kDa. Due to glycosylation, the protein migrates to 43-60 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

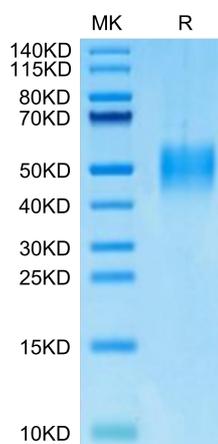
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Alzheimer's disease (AD) is a neurodegenerative disease characterized by a progressive decline in cognitive performance; Mild Cognitive Impairment (MCI) is instead an objective decline in cognitive performance that does not reach pathology. Paired immunoglobulin-like type 2 receptor alpha (PILRA) is a cell surface inhibitory receptor that was recently suggested to be involved in AD pathogenesis. In particular, the arginine-to-glycine substitution in position 78 (R78, rs1859788) was shown to be protective against AD.

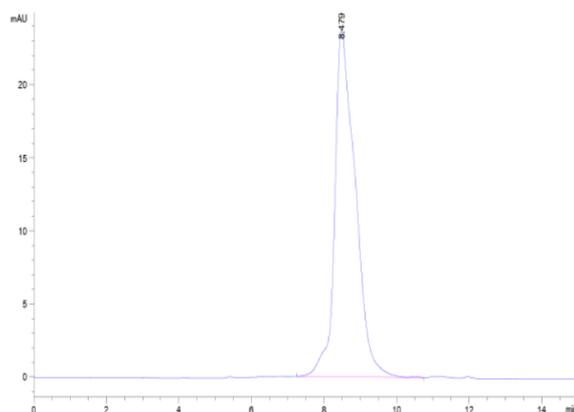
## Assay Data

### Bis-Tris PAGE



Mouse PILRA on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Mouse PILRA is greater than 95% as determined by SEC-HPLC.