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PILRA Protein (AA 32-197) (His tag)

Images



Overview

Quantity:	100 μg
Target:	PILRA
Protein Characteristics:	AA 32-197
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PILRA protein is labelled with His tag.

Product Details

Purpose:	Mouse PILRA Protein
Sequence:	Glu32-Val197
Characteristics:	Recombinant Mouse PILRA Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Glu32-Val197.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 μm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

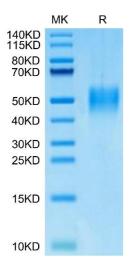
Target:	PILRA
Alternative Name:	PILRA (PILRA Products)

Target Details

Expiry Date:

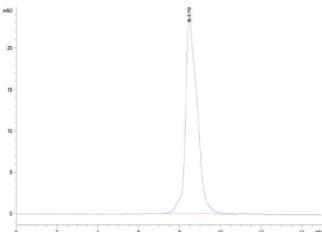
12 months

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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.
Molecular Weight:	19.71 kDa. Due to glycosylation, the protein migrates to 43-60 kDa based on Tris-Bis PAGE result.
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
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SDS-PAGE

Image 1. Mouse PILRA on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse PILRA is greater than $95\,\%$ as determined by SEC-HPLC.