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Datasheet for ABIN7275474

PILRA Protein (AA 20-197) (Fc Tag)

2 Images

Overview

Quantity:	100 µg
Target:	PILRA
Protein Characteristics:	AA 20-197
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PILRA protein is labelled with Fc Tag.

Product Details

Purpose:	Human PILRA Protein
Sequence:	Gln20-Ala197
Characteristics:	Recombinant Human PILRA Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gln20-Ala197.
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

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: 47 kDa. Due to glycosylation, the protein migrates to 60-68 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

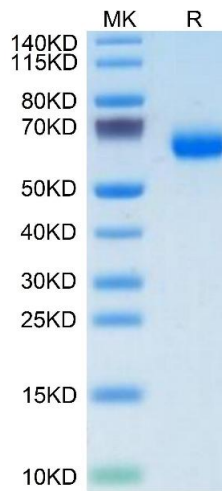
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

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

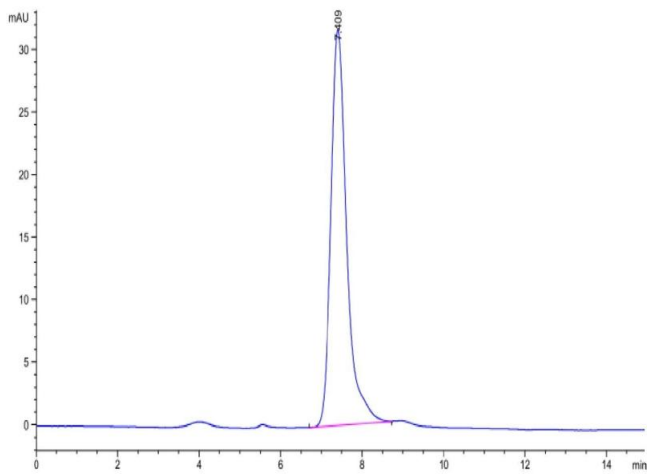
Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., -2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human 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 Human PILRA is greater than 95 % as determined by SEC-HPLC.