Human PILRA Protein

Cat. No. PRA-HM201

Description

Source	Recombinant Human PILRA Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Gln20-Ala197.
Accession	Q9UKJ1-1
Molecular Weight	The protein has a predicted MW of 47 kDa. Due to glycosylation, the protein migrates to 60-68 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

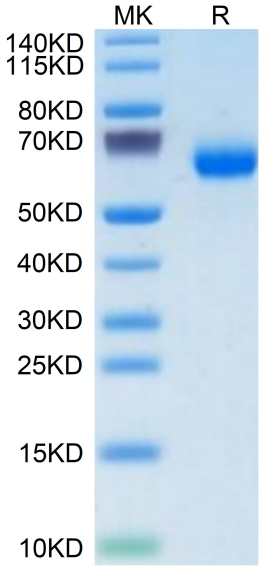
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

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



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

SEC-HPLC

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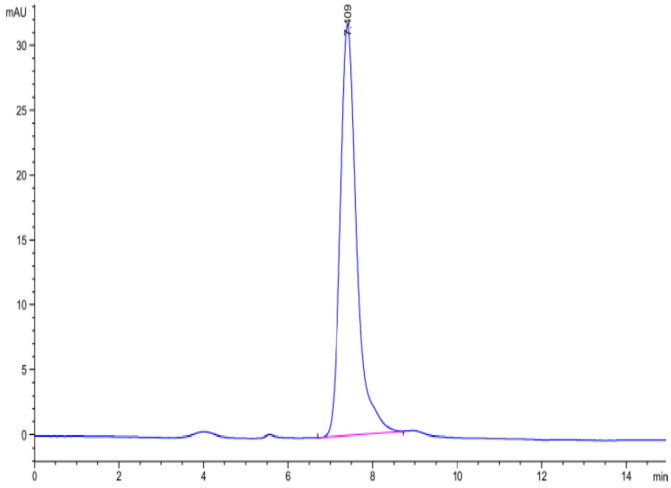

The purity of Human PILRA is greater than 95% as determined by SEC-HPLC.