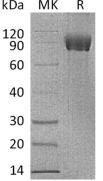
Recombinant Human IL-1R8/IL1RAPL1 Protein (Fc Tag)

Catalog Number: PKSH033635

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Species	Human
Source	HEK293 Cells-derived Human IL-1R8;IL1RAPL1 protein Leu19-Thr357, with an C-
	terminal Fc
Calculated MW	68.0 kDa
Observed MW	80-100 kDa
Accession	Q9NZN1
Bio-activity	Not validated for activity
Properties	
Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80
	°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of
	reconstituted samples are stable at $< -20^{\circ}C$ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
	Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants
	before lyophilization.
	Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.
Data	
kDa	a MK R



> 95 % as determined by reducing SDS-PAGE.

Background

Interleukin-1 receptor accessory protein-like 1; also known as IL1RAPL1; can be detected at low levels in heart; skeletal muscle; ovary; skin; amygdala; caudate nucleus; corpus callosum; hippocampus; substantia nigra and thalamus. IL1RAPL1 functions as a homodimer; it interacts with NCS1; PTPRD. This interaction is PTPRD-splicing-dependent and induces pre- and post-synaptic differentiation of neurons and is required for IL1RAPL1-mediated synapse formation. During dendritic spine formation; it can bidirectionally induce pre- and post-synaptic differentiation of neurons by transsynaptically binding to PTPRD.

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