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

Catalog No. PKSH033634

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

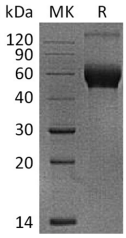
Description

Synonyms	Interleukin-1 Receptor Accessory Protein-Like 1;IL-1-RAPL-1;IL-1RAPL-1;IL1RAPL-1;Oligophrenin-4;Three Immunoglobulin Domain-Containing IL-1 Receptor-Related 2;TIGIRR-2;X-Linked Interleukin-1 Receptor Accessory Protein-Like 1;IL1RAPL1;OPHN4
Species	Human
Expression Host	HEK293 Cells
Sequence	Leu19-Val360
Accession	Q9NZN1
Calculated Molecular Weight	40 kDa
Observed molecular weight	50-60 kDa
Tag	C-His
Bioactivity	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℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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% Tween80 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



> 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 trans-synaptically binding to PTPRD.

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