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Datasheet for ABIN7319571

IL1RAPL1 Protein (AA 19-357) (His tag)

Overview

Quantity:	50 µg
Target:	IL1RAPL1
Protein Characteristics:	AA 19-357
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL1RAPL1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human IL-1R8/IL1RAPL1 Protein (aa 19-357, His Tag)
Sequence:	Leu19-Thr357
Characteristics:	Recombinant Human IL-1R8 is produced by our Mammalian expression system and the target gene encoding Leu19-Thr357 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	IL1RAPL1
Alternative Name:	IL-1R8/IL1RAPL1 (IL1RAPL1 Products)
Background:	Background: Interleukin-1 receptor accessory protein-like 1, also known as IL1RAPL1, can be

Target Details

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.

Synonym: 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

Molecular Weight: 40 kDa

UniProt: [Q9NZN1](#)

Pathways: [Synaptic Membrane](#), [Growth Factor Binding](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: 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°C for 3 months.