

Datasheet for ABIN7196309

**IL1RAPL1 Protein (AA 1-354) (His tag)**[Go to Product page](#)

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 100 µg  |
| Target:                       | IL1RAPL1  |
| Protein Characteristics:      | AA 1-354  |
| Origin:                       | Human   |
| Source:                       | HEK-293 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 1-354, His Tag)   |
| Sequence:        | Met 1-Leu 354   |
| Characteristics: | A DNA sequence encoding the human IL1R8 (NP_055086.1) extracellular domain (Met 1-Leu 354) was expressed with a C-terminal polyhistidine tag. |
| 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 ( <a href="#">IL1RAPL1 Products</a> )                                 |
| Background:       | Background: Interleukin-1 receptor accessory protein-like 1 (IL1RAPL1) is a member of |

## Target Details

interleukin-1 receptor family. The protein structurally comprises three extracellular immunoglobulin domains, which presumably mediate binding of an as yet unidentified ligand, a transmembrane region, and an intracellular domain, which is likely to enable signalling via the NFkB pathway. The means of signalling is almost certain to be identical to that used by the IL1R family and the more distally related Toll protein. L1RAPL1 protein physically interacts via its 150 aa C-terminal domain with neuronal calcium sensor-1 (NCS-1), a protein widely expressed in neurons and the related chromaffin and PC12 cells. IL1RAPL1 is an integral membrane protein responsible for a nonsyndromic form of mental retardation (MR). It is suggested to affect human cognitive ability to some extent, especially the memory and concentration capability.

Synonym: IL1R8,IL1RAPL,MRX10,MRX21,MRX34,OPHN4,TIGIRR-2

|                   |  |
|-------------------|--|
| Molecular Weight: | 40 kDa   |
| NCBI Accession:   | <a href="#">NP_055086</a>                                |
| Pathways:         | <a href="#">Synaptic Membrane, Growth Factor Binding</a> |

## Application Details

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                  |   |
|------------------|---|
| Format:          | Lyophilized   |
| Reconstitution:  | Please refer to the printed manual for detailed information.  |
| Buffer:          | Lyophilized from sterile 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. |