

Recombinant Human IL-1R8/IL1RAPL1 Protein (aa 1-354, His Tag)

Catalog No. PKSH031795

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

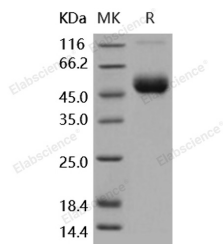
Description

Synonyms	IL1R8;IL1RAPL;MRX10;MRX21;MRX34;OPHN4;TIGIRR-2
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Leu 354
Accession	NP_055086.1
Calculated Molecular Weight	40 kDa
Observed molecular weight	50-55 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°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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4 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 (IL1RAPL1) is a member of interleukin-1 receptor family. The protein structurally comprises three extracellular immunoglobulin domains; which presumably mediate binding of an as yet

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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.