

Recombinant Human IL1RAPL1 protein, His & T7-tagged

Cat. No. IL1RAPL1-1575H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL1RAPL1 aa. (Ser113~Asp276 (Accession # Q9NZN1)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser113~Asp276
Description	The protein encoded by this gene is a member of the interleukin 1 receptor family and is similar to the interleukin 1 accessory proteins. This protein has an N-terminal signal peptide, three extracellular immunoglobulin Ig-like domains, a transmembrane domain, an intracellular Toll/IL-1R domain, and a long C-terminal tail which interacts with multiple signalling molecules. This gene is located at a region on chromosome X that is associated with a non-syndromic form of X-linked intellectual disability. Deletions and mutations in this gene were found in patients with intellectual disability. This gene is expressed at a high level in post-natal brain structures involved in the hippocampal memory system, which suggests a specialized role in the physiological processes underlying memory and learning abilities, and plays a role in synapse formation and stabilization.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.5kDa

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Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	7.5

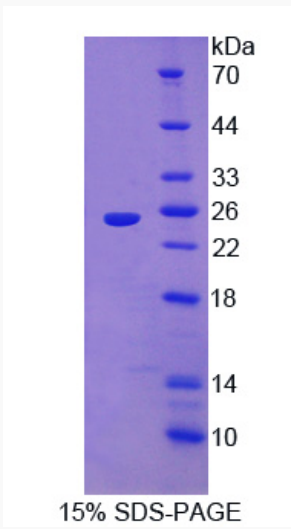
GENE INFORMATION

Gene Name	IL1RAPL1 interleukin 1 receptor accessory protein like 1 [Homo sapiens (human)]
Official Symbol	IL1RAPL1
Synonyms	IL1RAPL1; interleukin 1 receptor accessory protein like 1; IL1R8; MRX10; MRX21; MRX34; OPHN4; IL1RAPL; TIGIRR-2; IL1RAPL-1; IL-1RAPL-1; interleukin-1 receptor accessory protein-like 1; IL-1-RAPL-1; X-linked interleukin-1 receptor accessory protein-like 1; interleukin 1 receptor-8; mental retardation, X-linked 10; oligophrenin-4; three immunoglobulin domain-containing IL-1 receptor-related 2

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Gene ID	11141
mRNA Refseq	NM_014271.3
Protein Refseq	NP_055086.1
UniProt ID	Q9NZN1
SDS-PAGE	 15% SDS-PAGE