Recombinant IRPL2 protein (His tag)

Catalog Number	546010
Synonyms	IL-1 receptor accessory protein-like 2; IL-1-RAPL-2; IL-1RAPL-2; IL1RAPL-2; IL1RAPL-2-related protein; Interleukin-1 receptor 9; IL-1R-9; IL-1R9; Three immunoglobulin domain-containing IL-1 receptor-related 1; TIGIRR-1
Species	Human
Expression System	E. coli
Accession	Q9NP60
Molecular Weight	Predictes a molecular mass of 40.56 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 43 kDa band.

Product Information

Sequence Region	17-354
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 17-354 aa (Q9NP60) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human IL1RAPL2 Fragment (aa 17-354) is a high-purity protein designed for investigating the functional roles of the Ig-like C2-type domains. This 338-amino acid fragment encompasses all three Ig-like C2-type domains (1, 2, and 3), providing researchers with a specialized tool to study domain-specific interactions and signaling mechanisms of the X-linked interleukin-1 receptor accessory protein-like 2. The full-length IL1RAPL2 (IL-1 receptor accessory protein-like 2) is a single-pass type I membrane protein localized to the cell membrane, indicating its role in transmembrane signaling and receptor complexes. As a member of the interleukin-1 receptor family, it is implicated in immune and inflammatory pathways, though specific functional details are not provided. The membrane association suggests involvement in cell surface recognition and signal transduction processes relevant to immunological research.