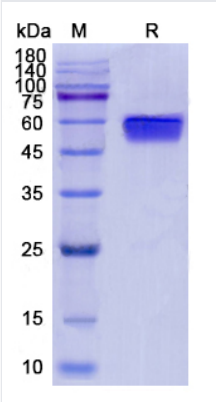
IL1RAP Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	IL1RAP, Recombinant Protein
Full Product Name	Recombinant Human IL1RAP, C-His
Product Gene Name	IL1RAP recombinant protein
Product Synonym Names	IL-1R3; C3orf13; Interleukin-1 receptor 3; Interleukin-1 receptor accessory protein; IL1RAP; IL-1R-3; IL-1 receptor accessory protein; IL1R3; IL-1RAcP; Drug Target
Host	Mammalian cells
Form/Format	Lyophilized from a solution in PBS pH7.4, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	65,418 Da
Sequence Positions	Met1-Glu359
Chromosome Location	Chromosome: 3; NC_000003.11 (190231840..190374986). Location: 3q28
OMIM	602626
3D Structure	ModBase 3D Structure for Q9NPH3
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for IL1RAP recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for IL1RAP recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for IL1RAP recombinant protein	MBS1575348 is a recombinant protein targeting IL1RAP. Also known as Recombinant Human IL1RAP, C-His. Host: Mammalian cells.
Other Notes	Small volumes of IL1RAP recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of IL1RAP recombinant protein
SDS PAGE for recombinant Human IL1RAP

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL1RAP. It may not necessarily be applicable to this product.

NCBI GI #	268840341
NCBI GeneID	3556
NCBI Accession #	NP_001161402.1
UniProt Primary Accession #	Q9NPH3
UniProt Secondary Accession #	O14915; Q86WJ7; B1NLD0; D3DNW0
UniProt Related Accession #	Q9NPH3
GenBank Nucleotide #	NM_001167930.1
NCBI Official Full Name	interleukin-1 receptor accessory protein isoform 2
NCBI Official Synonym Full Names	interleukin 1 receptor accessory protein
NCBI Official Symbol	IL1RAP
NCBI Official Synonym Symbols	IL1R3; C3orf13; IL-1RAcP
UniProt Protein Name	Interleukin-1 receptor accessory protein
UniProt Synonym Protein Names	Interleukin-1 receptor 3
Protein Family	Interleukin-1 receptor accessory protein
UniProt Gene Name	IL1RAP
UniProt Synonym Gene Names	C3orf13; IL1R3; IL-1 receptor accessory protein; IL-1RAcP; IL-1R-3; IL-1R3
UniProt Entry Name	IL1AP_HUMAN
NCBI Protein Information	interleukin-1 receptor accessory protein; IL-1R3; interleukin-1 receptor 3; IL-1 receptor accessory protein; interleukin-1 receptor accessory protein beta
NCBI Summary for IL1RAP	Interleukin 1 induces synthesis of acute phase and proinflammatory proteins during infection, tissue damage, or stress, by forming a complex at the cell membrane with an interleukin 1 receptor and an accessory protein. This gene encodes the interleukin 1 receptor accessory protein. The protein is a necessary part of the interleukin 1 receptor complex which initiates signalling events that result in the activation of interleukin 1-responsive genes. Alternative splicing of this gene results in two transcript variants encoding two different isoforms, one membrane-bound and one soluble. The ratio of soluble to membrane-bound forms increases during acute-phase induction or stress. [provided by RefSeq, Nov 2009]

UniProt Comments for IL1RAP	IL1RAP: Coreceptor with IL1R1. Associates with IL1R1 bound to IL1B to form the high affinity interleukin-1 receptor complex which mediates interleukin-1-dependent activation of NF-kappa-B and other pathways. Signaling involves the recruitment of adapter molecules such as TOLLIP, MYD88, and IRAK1 or IRAK2 via the respective TIR domains of the receptor/coreceptor subunits. Recruits TOLLIP to the signaling complex. Does not bind to interleukin-1 alone; binding of IL1RN to IL1R1, prevents its association with IL1R1 to form a signaling complex. The cellular response is modulated through a non-signaling association with the membrane IL1R2 decoy receptor. Secreted forms (isoforms 2 and 3) associate with secreted ligand-bound IL1R2 and increase the affinity of secreted IL1R2 for IL1B; this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors. Belongs to the interleukin-1 receptor family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Receptor, misc.; Membrane protein, integral Chromosomal Location of Human Ortholog: 3q28 Cellular Component: membrane; integral to plasma membrane; extracellular region; plasma membrane Molecular Function: signal transducer activity; interleukin-1 receptor activity Biological Process: interleukin-2 biosynthetic process; cytokine and chemokine mediated signaling pathway; innate immune response; immune response; protein complex assembly; inflammatory response
Research Articles on IL1RAP	**1.** MARCH8-mediated polyubiquitination and degradation of IL1RAP is an important mechanism for negative regulation of IL-1beta-induced signaling pathways.
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