

Product datasheet for **TP505511**

Il1rap (NM_134103) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse interleukin 1 receptor accessory protein (Il1rap), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205511 protein sequence Red =Cloning site Green =Tags(s)

MGLLWYLM SLSFYGILQSHASERCDDWGLDTRMQIQVFEDEPARIKCPLFEHFLKYNYSTAHSSGLTLIW
YWTRQDRDL EEPINFRLPENRISKEKDVLWFRPTLLNDTGNYTCMLRNTTYCSKVAFFLEVVQKDFNS
AMRFPVHKMYIEHGIHKITCPNVDGYFPSSVKPSVTWYKGCTEIVDFHNVLPEGMNLSFFIPLVSNNGNY
TCVVTYPENGRFLFHLTRTVTKVVGSPKDALPPQIYSPNDRVVYEKEPGEELVIPCKVYFSFIMDSHNEV
WWTIDGKKPDDVTVDITINESVSYSTEDETRTQILSIKKVTPEDLRRNYVCHARNTKGEAEQAAKVKQK
GNGCTEPM TL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	41.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_598864
Locus ID:	16180
UniProt ID:	Q61730 , Q3UEL3



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RefSeq Size:	2352
Cytogenetics:	16 B2
RefSeq ORF:	1083
Synonyms:	6430709H04Rik; AI255955; AV239853; IL-1RAcP
Summary:	<p>Coreceptor for IL1RL2 in the IL-36 signaling system. Coreceptor with IL1R1 in the IL-1 signaling system. 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. Coreceptor for IL1RL1 in the IL-33 signaling system. Can bidirectionally induce pre- and postsynaptic differentiation of neurons by trans-synaptically binding to PTPRD (PubMed:25908590). May play a role in IL1B-mediated costimulation of IFNG production from T-helper 1 (Th1) cells (By similarity). [UniProtKB/Swiss-Prot Function]</p>