

## Product datasheet for TP321860L

### IL1 Receptor II (IL1R2) (NM\_004633) Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human interleukin 1 receptor, type II (IL1R2), transcript variant 1, 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC221860 representing NM_004633 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MLRLYLVMGVSAFTLQPAHTGAARSCRFRGRHYKREFRLEGEPVALRCPQVPYWLWASVSPRINLTWH KNDSARTVPGEEETRMWAQDGALWLLPALQEDSGTYVCTTRNASYCDKMSIELRVFENTDAFLPFISYPQ ILTLSTSGVLVCPDLSEFTRDKTDVKIQWYKDSLDDKNEKFLSVRGTTLLVHDVALEDAGYRCVLT FAHEGQQYNITRSIELRIKKKKEETIPVIISPLKTISASLGSRLTIPCKVFLGTGTPLTMLWWTANDTH IESAYPGGRVTEGPRQEYSENNENYIEVPLIFDPVTREDLHMDFKCWHNTLSFQTLRRTTVKEASSTFSW GIVLAPLSLAFVLVGGIWMHRRCKHRTGKADGLTVLWPHHQDFQSYPK
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	43.9 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_004624</a></u>



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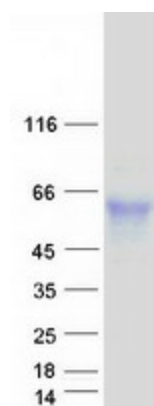
Locus ID:	7850
UniProt ID:	<a href="#">P27930</a>
RefSeq Size:	1484
Cytogenetics:	2q11.2
RefSeq ORF:	1194
Synonyms:	CD121b; CDw121b; IL-1R-2; IL-1RT-2; IL-1RT2; IL1R2c; IL1RB

**Summary:** The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein binds interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I (IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. Interleukin 4 (IL4) is reported to antagonize the activity of interleukin 1 by inducing the expression and release of this cytokine. This gene and three other genes form a cytokine receptor gene cluster on chromosome 2q12. Alternative splicing results in multiple transcript variants and protein isoforms. Alternative splicing produces both membrane-bound and soluble proteins. A soluble protein is also produced by proteolytic cleavage. [provided by RefSeq, May 2012]

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, MAPK signaling pathway

### Product images:



Coomassie blue staining of purified IL1R2 protein (Cat# [TP321860]). The protein was produced from HEK293T cells transfected with IL1R2 cDNA clone (Cat# [RC221860]) using MegaTran 2.0 (Cat# [TT210002]).