

## Product datasheet for TP321860

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human interleukin 1 receptor, type II (IL1R2), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221860 representing NM_004633 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MLRLYLVMGVSAFTLQPAAHTGAARSCRFRGRHYKREFRLEGEPPVALRCPQVPYWLWASVSPRINLTWH KNDSARTVPGEEETRMWAQDGALWLLPALQEDSGTYVCTTRNASYCDKMSIELRVFENTDAFLPFISYPQ ILTLSTSGVLVCPDLSEFTRDKTDVKIQWYKDSLDDKNEKFLSVRGTTLLVHDVALEDAGYRCVLT FAHEGQQYNITRSIELRIKKKKEETIPVIISPLKTISASLGSRLTIPCKVFLGTGTPLTMLWWTANDTH IESAYPGGRVTEGPRQEYSENNENYIEVPLIFDPVTREDLHMDFKCVHNTLSFQTLRRTTVKEASSTFSW GIVLAPLSLAFVLVGGIWMHRRCKHRTGKADGLTVLWPHHQDFQSYPK</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	43.9 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	<u><a href="#">NP_004624</a></u>



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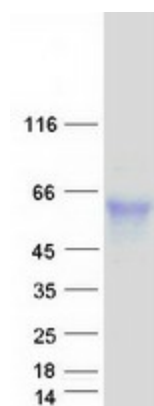
Locus ID:	7850
UniProt ID:	<a href="#">P27930</a>
RefSeq Size:	1484
Cytogenetics:	2q11.2
RefSeq ORF:	1194
Synonyms:	CD121b; CDw121b; IL-1R-2; IL-1RT-2; IL-1RT2; IL1R2c; IL1RB

**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]).