

Product datasheet for TP307914L

IL1 Receptor II (IL1R2) (NM_173343) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human interleukin 1 receptor, type II (IL1R2), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207914 representing NM_173343 Red=Cloning site Green=Tags(s)

MLRLYLVMGVSAFTLQPAAHGAARSCRFRGRHYKREFRLEGEPVALRCPQVPYWLWASVSPRINLTWH
KNDSARTVPGEEETRMWAQDGALWLLPALQEDSGTYVCTTRNASYCDKMSIELRVFENTDAFLPFISYPQ
ILTLSTSGVLVCPDLSEFTRDKTDVKIQWYKDSLLLDKNEKFLSVRGTTLLVHDVALEDAGYYRCVLT
FAHEGQQYNITRSIELRIKKKKEETIPVIISPLKTISASLGSRLTIPCKVFLGTGTPLTMLWWTANDTH
IESAYPGGRVTEGPRQEYSENNENYIEVPLIFDPVTREDLHMDFKCVHNTLSFQTLRRTTVKEASSTFSW
GIVLAPLSLAFVLVGGIWMHRRCKHRTGKADGLTVLWPHHQDFQSYPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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>NP_775465</u>



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Locus ID:	7850
UniProt ID:	P27930
RefSeq Size:	1436
Cytogenetics:	2q11.2
RefSeq ORF:	1194
Synonyms:	CD121b; IL1RB; MGC47725

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# [TP307914]). The protein was produced from HEK293T cells transfected with IL1R2 cDNA clone (Cat# [RC207914]) using MegaTran 2.0 (Cat# [TT210002]).