

Product datasheet for PH307914

IL1 Receptor II (IL1R2) (NM_173343) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	IL1R2 MS Standard C13 and N15-labeled recombinant protein (NP_775465)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207914
Predicted MW:	43.9 kDa
Protein Sequence:	>RC207914 representing NM_173343 Red=Cloning site Green=Tags(s)

MLRLYLVMGVSAFTLQPAAHTGAARSCRFRGRHYKREFRLEGEPPVALRCPQVPYWLWASVSPRINLTWH
KNDSARTVPGEEETRMWAQDQDGLWLLPALQEDSGTYVCTTRNASYCDKMSIELRVFENTDAFLPFISYPQ
ILTLSTSGVLVCPDLSEFTRDKTDVKIQWKDLSLLDKDNEKFLSVRGTHLLVHDVALEDAGYYRCVLT
FAHEGQQYNITRSIELRIKKKEETIPVIIISPLKTIASLSGRLTIPCKVFLGTGPTLTMWWTANDTH
IESAYPGGRVTEGPRQEYSENNENYIEVPLIFDPVTREDLHMDFKCVVHNTLSFQTLRRTTVEASSTFSW
GIVLAPLSLAFLVLGGIWMHRRCKHRTGKADGLTVLWPHHQDFQSYPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_775465</u>
RefSeq Size:	1436
RefSeq ORF:	1194
Synonyms:	CD121b; IL1RB; MGC47725
Locus ID:	7850



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UniProt ID: [P27930](#)

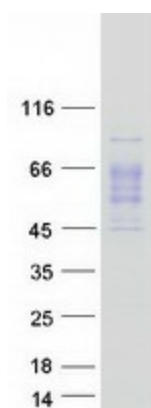
Cytogenetics: 2q11.2

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]).