

## Product datasheet for PH312460

### IL1RA (IL1RN) (NM\_000577) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	IL1RN MS Standard C13 and N15-labeled recombinant protein (NP_000568)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212460
Predicted MW:	17.9 kDa
Protein Sequence:	>RC212460 protein sequence Red=Cloning site Green=Tags(s)  MALETICRPSGRKSSKMQAFRIWDVNQKTFYLRNNQLVAGYLQGPVNVLEEKIDVVPPIEPHALFLGIHGG KMCLSCVKSGDETRLQLEAVNITDLSNRKQDKRFAFIRSDSGPTTSFESAACPGWFLCTAMEADQPVSL TNMPDEGVMVTKFYFQEDE  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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_000568</a>
RefSeq Size:	1802
RefSeq ORF:	477
Synonyms:	DIRA; ICIL-1RA; IL-1ra; IL-1ra3; IL-1RN; IL1F3; IL1RA; IRAP; MVCD4
Locus ID:	3557
UniProt ID:	<a href="#">P18510</a>



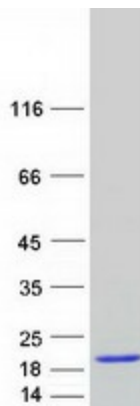
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**Cytogenetics:** 2q14.1

**Summary:** The protein encoded by this gene is a member of the interleukin 1 cytokine family. This protein inhibits the activities of interleukin 1, alpha (IL1A) and interleukin 1, beta (IL1B), and modulates a variety of interleukin 1 related immune and inflammatory responses, particularly in the acute phase of infection and inflammation. This gene and five other closely related cytokine genes form a gene cluster spanning approximately 400 kb on chromosome 2. A polymorphism of this gene is reported to be associated with increased risk of osteoporotic fractures and gastric cancer. Several alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Aug 2020]

**Protein Families:** Druggable Genome, Secreted Protein

### Product images:



Coomassie blue staining of purified IL1RN protein (Cat# [TP312460]). The protein was produced from HEK293T cells transfected with IL1RN cDNA clone (Cat# [RC212460]) using MegaTran 2.0 (Cat# [TT210002]).