

Product datasheet for PH318518

IL1RA (IL1RN) (NM_173842) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | IL1RN MS Standard C13 and N15-labeled recombinant protein (NP_776214) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC218518 |
| Predicted MW: | 17.1 kDa |
| Protein Sequence: | >RC218518 representing NM_173842 Red =Cloning site Green =Tags(s) MEICRGLRSHLITLLLFLFHSETICRPSGRKSSKMQAFRIWDVNQKTFYLRNNQLVAGYLQGPVNLEEK IDVVPPIEPHALFLGIHGKMKLSCVKSGDETRLQLEAVNITDLSNRKQDKRFAFIRSDSGPTTSFESAA CPGWFLCTAMEADQPVSLTNMPDEGVMVTKFYFQEDE TR TRPLEQKLISEEDLAANDILDYKDDDDKV |
| 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_776214</u> |
| RefSeq Size: | 1760 |
| RefSeq ORF: | 531 |
| Synonyms: | DIRA; ICIL-1RA; IL-1ra; IL-1ra3; IL-1RN; IL1F3; IL1RA; IRAP; MVCD4 |
| Locus ID: | 3557 |
| UniProt ID: | <u>P18510</u> |



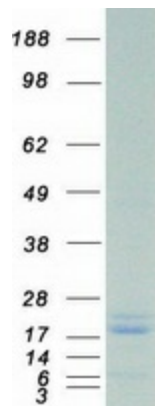
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Cytogenetics: 2q14.1

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# [TP318518]). The protein was produced from HEK293T cells transfected with IL1RN cDNA clone (Cat# [RC218518]) using MegaTran 2.0 (Cat# [TT210002]).