Datasheet for ABIN7520132

# IL1R2 Protein (His tag)

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## Overview

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| Quantity: | 10 µg |
| Target: | IL1R2 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This IL1R2 protein is labelled with His tag. |

## Product Details

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| Purpose: | Active Recombinant Human IL-1R2/IL-1RT2/CD121b Protein |
| Sequence: | MLRLYVLVMG VSAFTLQPAA HTGAARSCRF RGRHYKREFR LEGEPVALRC PQVPYWLWAS VSPRINLTWH KNDSARTVPG EEETRMWAQD GALWLLPALQ EDSGTYVCTT RNASYCDKMS IELRVFENTD AFLPFISYPQ ILTLSTSGVL VCPDLSEFTR DKTDVKIQWY KDSLLLDKDN EKFLSVRGTT HLLVHDVALE DAGYYRCVLT FAHEGQQYNI TRSIELRIKK KKEETIPVII SPLKTISASL GSRLTIPCKV FLGTGTPLTT MLWWTANDTH IESAYPGGRV TEGPRQEYSE NNENYIEVPL IFDPVTREDL HMDFKCVVHN TLSFQTLRTT VKE |
| Specificity: | Met1-Glu343 |
| Purity: | > 95 % by SDS-PAGE. |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | < 0.1 EU/µg of the protein by LAL method. |
| Biological Activity Comment: | Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human IL1R2 |

## Product Details

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| | at 2 μg/mL (100 μL/well) can bind Human IL1RA with a linear range of 31.25-43.5 ng/mL. |

## Target Details

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| Target: | IL1R2 |
| Alternative Name: | IL-1R2/IL-1RT2/CD121b (IL1R2 Products) |
| Background: | Description: Non-signaling receptor for IL1A, IL1B and IL1RN. Reduces IL1B activities. Serves as a decoy receptor by competetive binding to IL1B and preventing its binding to IL1R1. Also modulates cellular response through non-signaling association with IL1RAP after binding to IL1B. IL1R2 (membrane and secreted forms) preferentially binds IL1B and poorly IL1A and IL1RN. The secreted IL1R2 recruits secreted IL1RAP with high affinity, this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors. Name: IL1R2,CD121b,CDw121b,IL-1R-2,IL-1RT-2,IL-1RT2,IL1R2c,IL1RB |
| Gene ID: | 7850 |
| UniProt: | P27930 |
| Pathways: | NF-kappaB Signaling |

## Application Details

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| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles. |
| Buffer: | Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Store the lyophilized protein at -20°C to -80 °C for long term.<br>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. |