

Datasheet for ABIN7534161
IL12A Protein (Fc Tag,His tag)



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Overview

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| Quantity: | 100 µg |
| Target: | IL12A |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This IL12A protein is labelled with Fc Tag,His tag. |

Product Details

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| Purpose: | Recombinant Human IL-12A Protein |
| Sequence: | RNLPVATPDP GMFPC LHHSQ NLLRAVS NML QKARQTLEFY PCTSEEDHE DITKDKTSTV EACLPLELTK NESCLNSRET SFITNGSCLA SRKTSFMMAL CLSSIEDLK MYQVEFKTMN AKLLMDPKRQ IFLDQNM LAV IDELMQALNF NSETVPQKSS LEEPDFYKTK IKLCILLHAF RIRAVTIDRV MSYLNAS |
| Specificity: | Arg23-Ser219 |
| Purity: | > 95 % by SDS-PAGE. |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | < 0.1 EU/µg of the protein by LAL method. |

Target Details

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| Target: | IL12A |
| Alternative Name: | IL-12A (IL12A Products) |

Target Details

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| Background: | <p>Description: Interleukin-12 subunit alpha (IL12A/IL-12p35) is also known as Cytotoxic lymphocyte maturation factor 35 kDa subunit, cytotoxic lymphocyte maturation factor 1, p35, NK cell stimulatory factor chain 1, and interleukin-12 alpha chain. IL12A/IL-12p35 is a subunit of a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. The cytokine is a disulfide-linked heterodimer composed of the 35-kD subunit encoded by this gene, and a 40-kD subunit that is a member of the cytokine receptor family. This cytokine is required for the T-cell-independent induction of interferon (IFN)-gamma, and is important for the differentiation of both Th1 and Th2 cells. The responses of lymphocytes to this cytokine are mediated by the activator of transcription protein STAT4. Nitric oxide synthase 2A (NOS2A/NOS2) is found to be required for the signaling process of this cytokine in innate immunity.</p> <p>Name: P35, CLMF, NFSK, NKSF1, IL-12A,IL12A</p> |
| Gene ID: | 3592 |
| UniProt: | P29459 |
| Pathways: | JAK-STAT Signaling , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Activated T Cell Proliferation |

Application Details

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| Restrictions: | For Research Use only |
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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 vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (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: | <p>Store the lyophilized protein at -20°C to -80 °C for long term.</p> <p>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.</p> |