

Datasheet for ABIN7315076

IL12 Protein (AA 23-215, AA 23-335) (His tag)



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Overview

Quantity:	50 µg
Target:	IL12
Protein Characteristics:	AA 23-215, AA 23-335
Origin:	Rat
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL12 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), ELISA, Western Blotting (WB), Mass Spectrometry (MS)

Product Details

Purpose:	Recombinant Rat IL-12 Protein is produced by mammalian expression system and the target gene encoding Met23-Ser335 (p40) , Arg23-Ser215 (p35) is expressed with a 6His tag at the C-terminus.
Sequence:	MWELEKDVYV VEVDWRPDAP GETVTLTCDSP EEDDITWTS DQRRGVIGSG KTLTITVREF LDAGQYTCHR GGETLSHSHL LLHKKENGIW STEILKNFKN KTLKCEAPN YSGRFTCSWL VHRNTDLKFN IKSSSSSPES RAVTCGRASL SAEKVTLNQR DYKYSVACQ EDVTCPTAEE TLPIELVVEA QQQNKYENYS TSFFIRDIK PDPPKNLQVK PLKNSQVEVS WEYPDSWSTP HSYFSLKFFV RIQRKKEKTK ETEEECNQKG AFLVEKTSAE VQCKGANICV QAQDRYYNSS CSKWTCVPCR GRSHHHHHH& RVIPVSGPAK CLNQSQNLLK TTDDMVRTAR EKLKHYSCTA GDIDHEDITR DKTSTLEACL PLELHKNESE LATKETSSII RGSCLPQKT SLMMTLCLGS IYEDLKMYQS EFQAINAALQ SHNHQQITLD RNMLMAIDEL MRSLNHSGET LHQKAPMGEA DPYRVKMKLC ILLHAFSTRV MTINRVMNYL SSSHHHHHHH

Product Details

Purity: Greater than 95 % as determined by reducing SDS-PAGE.

Sterility: 0.2 µm filtered

Target Details

Target: IL12

Alternative Name: IL12A, IL12B ([IL12 Products](#))

Pathways: [JAK-STAT Signaling](#), [TLR Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#),
[Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#),
[Activated T Cell Proliferation](#), [Cancer Immune Checkpoints](#), [Inflammasome](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage: -20 °C

Storage Comment: Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.