**Synonyms** 



## **PRODUCT INFORMATION**

IL-12 **Target** 

Interleukin-12 subunit alpha;IL-12A;Cytotoxic

lymphocyte maturation factor 35 kDa subunit;CLMF p35;IL-12 subunit p35;NK cell;IL12A ;NKSF1 stimulatory factor chain 1

Recombinant Human Interleukin-12 is produced by our Mammalian expression system and the Description target gene encoding Arg23-Ser219andlle23-

Ser328 is expressed.

In Stock **Delivery** 

**Uniprot ID** P29459;P29460

**Expression Host** HFK293

Tag

Molecular Not available Characterization

Storage & Shipping

**Background** 

Molecular Weight 22.5and34.7 KDa

Greater than 95% as determined by reducing **Purity** 

SDS-PAGE.

Lyophilized from a 0.2  $\mu m$  filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Formulation & Reconstitution

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

témperature.

IL-12 is a heterodimeric pleiotropic cytokine made up of a 40 kDa (p40) subunit and a 35 kDa (p35) subunit. Human and mouse IL?12 share 70% and 60% amino acid sequence identity in their p40 and p35 subunits, respectively. IL-12 is involved in the differentiation of naive T cells into Th1 cells. It is known as a T cell-stimulating factor, which can stimulate the growth and function of T cells. It stimulates the production of interference. cells. It stimulates the production of interferon-

gamma (IFN- $\gamma$ ) and tumor necrosis factor-alpha (TNF-a) from T cells and natural killer (NK) cells, and reduces IL-4 mediated suppression of IFN-γ. T cells that produce IL-12 have a coreceptor, CD30, which is associated with IL-12 activity.IL-12 plays an important role in the activities of natural killer cells and T lymphocytes. IL-12 mediates

enhancement of the cytotoxic activity of NK cells and CD8 cytotoxic T lymphocytes.

Research use only **Usage** Conjugate Unconjugated









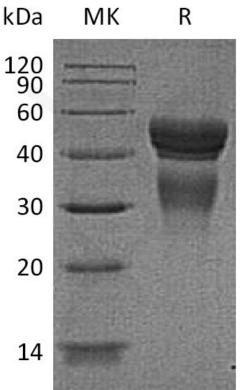


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.



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