

**Human CellExp IL-12, Mouse recombinant protein**  
NKSF, CLMF  
Catalog # PBV10374r**Specification****Human CellExp IL-12, Mouse recombinant protein - Product info**Primary Accession [P43432](#)  
Calculated MW 70 kDa KDa**Human CellExp IL-12, Mouse recombinant protein - Additional Info**Gene ID 16160  
Gene Symbol IL12  
**Other Names**  
NKSF, CLMF, Cytotoxic lymphocyte maturation factor 40 kDa subunitGene Source Mouse  
Source HEK 293 cells  
Assay&Purity SDS-PAGE; ≥95%  
Assay2&Purity2 HPLC; ≥95%  
Recombinant Yes  
Results 0.1 ng/mL  
Sequence p35 Subunit: RVIPVSGPAR CLSQSRNLLK  
TTDDMVKTAR EKLKHYSCTA EDIDHEDITR  
DQTSTLKTCL PLELHKNE SC LATRETSST  
RGSC LPPQKT SLMMTLCLGS IYEDLKMYQT  
EFQAINAALQ NHHHQIILD KGMLVAIDEL  
MQLNHNGET LRQKPPVGEA DPYRVKMKLC  
ILLHAFSTRV VTINRVMGYL SSA p40  
Subunit: MWELEKDVYV VEVDWTPDAP  
GETVNLTCDT PEEDDITWTS DQRHGVIGSG  
KTLTITVKEF LDAGQYTCHK GGETLSHSHL  
LLHKKENGIW STEILKNFKN KTF LKCEAPN  
YSGRFTCSWL VQRNMDLKF N IKSSSSSPDS  
RAVTCGMASL SAEKVTLDQR DY EKYSVSCQ  
EDVTCPTAEE TLPIELALEA RQ QNKYENYS  
TSFFIRDIIK PDPPKNLQMK PLKNSQVEVS  
WEYPDSWSTP HSYFSLKFFV RIQRKKEKMK  
ETEEGCNQKG AFLVEKTSTE VQCKGGNVCV  
QAQDRYNNSS CSKWACVPCR VRS**Application Notes**

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

**Format**

Lyophilized protein

**Storage**

-20°C; Recombinant mouse IL-12 is lyophilized from 0.5 x PBS, pH 7.5.

### **Human CellExp IL-12, Mouse recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Human CellExp IL-12, Mouse recombinant protein - Images**

### **Human CellExp IL-12, Mouse recombinant protein - Background**

Interleukin-12 (IL-12) is an important mediator of cellular-immunity produced by dendritic cells, macrophages and B cells when stimulated with antigen. IL-12 is involved in differentiating precursor helper T cells to Th1 and/or Th2 subtypes and promotes the production of IFN gamma and TNF alpha. Mouse IL-12 is active on human and mouse cells. Recombinant mouse IL-12 is a glycosylated, disulfide-linked heterodimer. It is containing one p35 subunit (35 kDa) and one p40 subunit (40 kDa), with a total of 506 amino acids and a molecular weight of approximately 70 kDa.

### **Human CellExp IL-12, Mouse recombinant protein - References**

Schoenhaut D.S.,et al.J. Immunol. 148:3433-3440(1992).  
Tone Y.,et al.Eur. J. Immunol. 26:1222-1227(1996).  
Teuscher C.,et al.J. Immunol. 163:2262-2266(1999).  
Oppmann B.,et al.Immunity 13:715-725(2000).