

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 LATRETSSTT
RGSCLPQKT SLMMTLCLGS IYEDLKMYQT
EFQAINAALQ NHHHQIILD KGMLVAIDEL
MQSLNHNGET LRQKPPVGEA DPYRVKMKLC
ILLHAFSTRV VTINRVMGYL SSA p40
Subunit: MWELEKDVYV VEVDWTPDAP
GETVNLTCDT PEEDDITWTS DQRHGVIGSG
KTLTITVKEF LDAGQYTCHK GGETLSHSHL
LLHKKENGIW STEILKNFKN KTFKCEAPN
YSGRFTCSWL VQRNMDLKFN IKSSSSPDS
RAVTCGMASL SAEKVTLDQR DYEKYSVSCQ
EDVTCPTAEE TLPIELALEA RQNKYENYS
TSFFIRDIK 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).