

## 32-8706: Recombinant Mouse Interleukin-12/IL-12

**Gene :** Il12b  
**Gene ID :** 16160  
**Uniprot ID :** P43432

### Description

Source: Human Cells.  
MW :57.5kD.

Recombinant Mouse Interleukin-12 is produced by our Mammalian expression system and the target gene encoding Met23-Ser335&Arg23-Ala215 is expressed. 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 interferon-gamma (IFN- gamma ) and tumor necrosis factor-alpha (TNF- alpha ) from T cells and natural killer (NK) cells, and reduces IL-4 mediated suppression of IFN- gamma . 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MWELEKDVYVVEVDWTPDAPGETVNLTCDTPEEDDITWTSQQRHGVIGSGKTLTITVKEFLDAGQYTCHKGG  
ETLSHSHLLLHKKENGWSTEILKNFNKTKFLKCEAPNYSGRFTCSWLVRNMDLKFNIKSSSSPDSRAVTCC  
MASLSAEKVTLQDRDYEKYSVSCQEDVTCPTAEETLPIELALEARQQNKYENYSTSFFIRDIKPDPPKNLQMKPL  
KNSQVEVSWEYPDSWSTPHSYFSLKFFVRIQRKKEKMKETEEGCNQKGAFLVEKTSTEVQCKGGNVCVQAQD  
RYYNSSCSKWACVPCRVS&RVIPVSGPARCLSQSRNLLKTTDDMVKTAREKLKHYSCTAEDIDHEDITRDQTS  
TLKTCLPLELHKNESCLATRETSSTTRGSLPPQKTSMMMLCLGSIYEDLKMYQTEFQAINAALQNHNHQIILD  
KGMLVAIDELMQSLNHNGETLRQKPPVGEADPYRVKMKLCLLHAFSTRVVTINRVMGYLSSA

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.