

RPPB0571

## Product Information Protein Information

**Product SKU:**

RPPB0571

**Accession:**

P43432

**Host:**

Sf9, Baculovirus cells.

**Protein description:**

IL12 Mouse Recombinant produced in a baculovirus expression system is a glycosylated disulfide linked (through cysteines in bold) heterodimer comprised of IL12A (23-335aa, total of 319 aa, MW 35.7kDa) and IL12B (23-215aa, total of 199 aa, MW 22.5kDa), having a total predicted molecular mass of 58.3kDa (Molecular weight on SDS-PAGE will appear higher). IL12A is fused to a 6 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered clear solution.

**Synonyms:**

Interleukin 12 (subunit beta/alpha), IL12b/IL12a, IL-12b/IL-12a, IL-12p40/IL-12p35, IL12p40/IL12p35, p40/p35, Sf9.

**Formulation:**

IL12 protein solution (0.5mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

**Amino Acid Sequence:**

IL12B(p40)MWELEKDVVY VEVDWTPDAP GETVNLCTDT PEEDDITWTS DQRHGVIGSG KTLTITVKEF  
LDAGQYTCHK GGETLSHSHL LLHKKENGIW STEILKNFKN KTLKCEAPN YSGRFTCSWL VQRNMDLKFN  
IKSSSSPDS RAVTCGMASL SAEKVTLDQR DYKYSVSCQ EDVTCPTAEETLPIELALEA RQQNKYENYS  
TSFFIRDIIK PDPPKNLQMK PLKNSQVEVS WEYPDSWSTP HSYFSLKFFV RIQRKKEKMK ETEEGCNQKG  
AFLVEKTSTE VQCKGGNVCV QAQDRYVNSS CSKWACVPCR VRSIL12A(p35)RVIPVSGPAR CLSQSRNLLK  
TTDDMVKTAR EKLKHYSTCA EDIDHEDITR DQTSTLKTCL PLELHKNEC LATRETSSTT RGSLPPQKT  
SLMMTLCLGS IYEDLKMYQT EFQAINAALQ NHHNQIILD KGMLVAIDEL MQSLNHNGET LRQKPPVGEA  
DPYRVKMKLC ILLHAFSTRVVTINRVMGYL SSAHHHHHHH.

**Biological Activity:**

The activity is determined by the IFN-g ELISA in a using NK-92 human natural killer cells. The ED50 for this effect is less or equal to 10ng/ml.