# Interleukin-17 Mouse Recombinant

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| **Item Number** | rAP-0570 |
| **Synonyms** | CTLA-8, IL-17, IL-17A, Cytotoxic T-lymphocyte-associated antigen 8. |
| **Description** | Interleukin-17 Murine Recombinant produced in E.Coli is a homodimeric, non-glycosylated polypeptide chain containing a total of 268 (2x134 a.a.) amino acids and having a molecular mass of 30 kDa.       The IL-17 is purified by proprietary chromatographic techniques. |
| **Uniprot Accesion Number** | Q62386 |
| **Amino Acid Sequence** | MAAIIPQSSA CPNTEAKDFL QNVKVNLKVF NSLGAKVSSR RPSDYLNRST SPWTLHRNED PDRYPSVI-WE AQCRHQRCVN AEGKLDHHMN SVLIQQEILV LKREPESCPF TFRVEKMLVG VGCTCVASIV RQAA. |
| **Source** | Escherichia Coli. |
| **Physical Appearance and Stability** | Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Interleukin-17 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL17 should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles. |
| **Formulation and Purity** | Lyophilized from a concentrated (1mg/ml) solution containing no additives. Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.    (b) Analysis by SDS-PAGE. |
| **Application** | |
| **Solubility** | It is recommended to reconstitute the lyophilized Interleukin 17 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. |
| **Biological Activity** | The ED50 as determined by the dose-dependant induction of IL-6 production in cultured mouse NIH 3T3 fibroblasts was found to be 0.4 ng/ml, corresponding to a specific activity of 2,500,000 units/mg. |
| **Shipping Format and Condition** | Lyophilized powder at room temperature. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only