

## Interleukin-16 Human Recombinant, (121 a.a.)

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| <b>Item Number</b>                       | rAP-0513  |
| <b>Synonyms</b>                          | IL16, Interleukin-16, LCF, Lymphocyte Chemoattractant Factor, prIL-16, IL-16, FLJ16806, FLJ42735, FLJ44234, HsT19289.   |
| <b>Description</b>                       | Interleukin-16 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 121 amino acids and having a molecular mass of 12.4 kDa. The IL-16 is purified by proprietary chromatographic techniques.  |
| <b>Uniprot Accession Number</b>          | Q14005  |
| <b>Amino Acid Sequence</b>               | SAASASAASD VSVSTAEAT VCTVTLEKMS AGLGFSLEGG KGS LHGDKPL TINRIFKGAA SE-QSETVQPG DEILQLGGTA MQGLTRFEAW NIIKALPDGP VTIVIRRKSL QSKETTAAGD S  |
| <b>Source</b>                            | Escherichia Coli.   |
| <b>Physical Appearance and Stability</b> | Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Interleukin-16 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL16 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. |
| <b>Formulation and Purity</b>            | IL-16 was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4. Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis SDS-PAGE.  |
| <b>Application</b>                       |   |
| <b>Solubility</b>                        | It is recommended to reconstitute the lyophilized Interleukin-16 in sterile 18MΩ-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.  |
| <b>Biological Activity</b>               | Fully biologically active when compared to standard. Determined by its ability to chemoattract human CD4+ T-Lymphocytes using a concentration range of 50.0-100.0 ng/ml.  |
| <b>Shipping Format and Condition</b>     | 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**