

Interleukin-22 Mouse Recombinant, Pegylated

Item Number	rAP-0643
Synonyms	IL-TIF, TIFa, IL-10-related T-cell-derived-inducible factor, IL-22, ILTIF, IL-D110, zcyt18, MGC79382, MGC79384, TIFIL-23.
Description	Pegylated Interleukin-22 Mouse Recombinant produced in E.Coli is a single, non-glycosylated homodimeric polypeptide chain containing 147 amino acids and an additional Ala amino acid at N-terminus having a molecular mass of 36 kDa as determined by mass spectrometry. However due to enlarged hydrodynamic
Uniprot Accesion Number	Q9JJY9
Amino Acid Sequence	
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized pegylated murine IL22 although stable at room temperature for several days, should be stored desiccated below -20°C. Upon reconstitution at 0.1mg/ml pegylated mouse IL22 and up to 2mg/ml, filter and sterilized, the protein can be stored at 4 degrees Celsius for several weeks making it suitable for long term infusion studies using osmotic pumps. At
Formulation and Purity	Lyophilized from a concentrated solution at 0.65mg/ml containing 0.003mM NaHCO3. Greater than 98.0% as determined by: (a) Analysis by Gel-Filtration. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized pegylated mouse Interleukin -22 in sterile 0.4% NaHCO3 adjusted to pH 8-9 not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by STAT3 phosphorylation assay in HepG cells. The activity in vitro was found to be ~ 10% compared to the non-pegylated mouse IL22.
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 end users! This product is sold for **Research Use Only**