

## Product Datasheet

# Recombinant Human Interleukin-22 (rHu IL-22) (orb1495039)

<b>Description</b>	IL-22 is a member of the IL-10 family of regulatory cytokines which includes IL-10, IL-19, IL-20, IL-22, IL-24 and IL-26. Members of this family share partial homology in their amino acid sequences, but they are dissimilar in their biological functions. Produced by T lymphocytes, IL-22 inhibits IL-4 production by Th2 cells, and induces acute phase reactants in the liver and pancreas. IL-22 signals through a receptor system consisting of IL-10R- $\beta$ /CRF2-4 and IL-22R, both of which are members of the class II cytokine-receptor family.
<b>Endotoxins</b>	Less than 1EU/mg of rHuIL-22 as determined by LAL method.
<b>Preservatives</b>	Lyophilized from a 0.2mm filtered concentrated solution in PBS, pH 5.0.
<b>Form/Appearance</b>	Lyophilized from a 0.2mm filtered concentrated solution in PBS, pH 5.0.
<b>Storage</b>	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.
<b>Note</b>	For research use only
<b>Application notes</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at -20°C. Further dilutions should be made in appropriate buffered solutions.
<b>Protein Sequence</b>	MAPISHCRL DKSNFQQPYI TNRTFMLAKE ASLADNNTDV RLIGEKLFHG VSMERCYLM KQVLNFTLEE VLFPQSDRFQ PYMQEVVPFL ARLSNRLSTC HIEGDDLHIQ RNVQKLKDTV KKLGESGEIK AIGELDLLFM SLRNACI
<b>Purity</b>	> 97% by SDS-PAGE and HPLC analyses.
<b>Source</b>	Escherichia coli.

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<b>MW</b>	Approximately 33.6 kDa, non-disulfide-linked homodimeric protein containing of two 146 amino acid polypeptide chains.
<b>Expiration Date</b>	6 months from date of receipt.

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