



## PRODUCT DATA SHEET

**Product:** IL-15 (recombinant human)

**Cat. No.:** BC-285 (10 µg)

**Description:**

Recombinant Human Interleukin-15 (IL-15). A single non-glycosylated, polypeptide chain containing 114 amino acids (and an N-terminal Methionine) and a molecular mass of 12.8 kDa.

**Synonyms:**

IL-15, MGC9721, Interleukin-15

**Origin:**

Produced in *E. coli*.

**Format:**

Sterile filtered white lyophilized (freeze-dried) powder. Protein was lyophilized from PBS Tris pH 7.4.

**Purity:**

Greater than 97.0% as determined by RP-HPLC and SDS-PAGE. Purified by proprietary chromatographic techniques.

**Reconstitution:**

Reconstitute in sterile 18 MΩ-cm H<sub>2</sub>O at not less than a concentration of 100 µg/mL which can then be further diluted to other aqueous solutions.

**Biological Activity:**

The ED<sub>50</sub>, calculated by dose-dependent proliferation of CTLL-2 cells was found to be <0.5 ng/mL corresponding to a Specific Activity of 2,000,000 IU/mg.

**Storage and Stability:**

Lyophilized IL-15 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-15 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). Avoid freeze-thaw cycles.

**Limitations:**

For *in vitro* research use only. Not for use in diagnostics or in humans.

**Warranty:**

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.