
Recombinant Human Interleukin-1 *alpha*

Description: Interleukin-1 *alpha* (IL-1 *alpha*) is a potent immuno-modulator which mediates a wide range of immune and inflammatory responses including the activation of B and T cells. Human IL-1 *alpha* is a 18 kDa protein containing 159 amino acid residues.

Source: E. coli

Molecular Weight: 18 kDa

Purity: > 98% by SDS-PAGE and N-terminal sequence analyses

Endotoxin level: < 0.1 ng per µg of IL-1 *alpha*

Stabilizer: none

Formulation: lyophilized

Biological Activity: Human IL-1 *alpha* is fully biologically active when compared to standards. The ED₅₀ as determined by the dose-dependent stimulation of murine D10S cells is < 0.01 ng/ml.

Reconstitution: The lyophilized IL-1 *alpha* is soluble in water and most aqueous buffers. The lyophilized powder can be reconstituted in water to a concentration of 100 ng/ml. This solution can be diluted into other buffered solutions or stored at -20°C for future use. For most in vitro applications, IL-1 *alpha* exerts its biological activity in the concentration range of 0.1 to 10.0 ng/ml.

Stability: The lyophilized IL-1 *alpha*, though stable at room temperature, is best stored desiccated below 0°C. Reconstituted IL-1 *alpha* should be stored in working aliquots at -20°C. **Avoid repeated freeze-thaw cycles.**

Usage: Human IL-1 *alpha* is offered for research use. Not for drug use. **Not for human use.**

Catalogue number: 100-042

Size: 10 µg

Range: 0.1-10.0 ng/ml

For Research Use Only