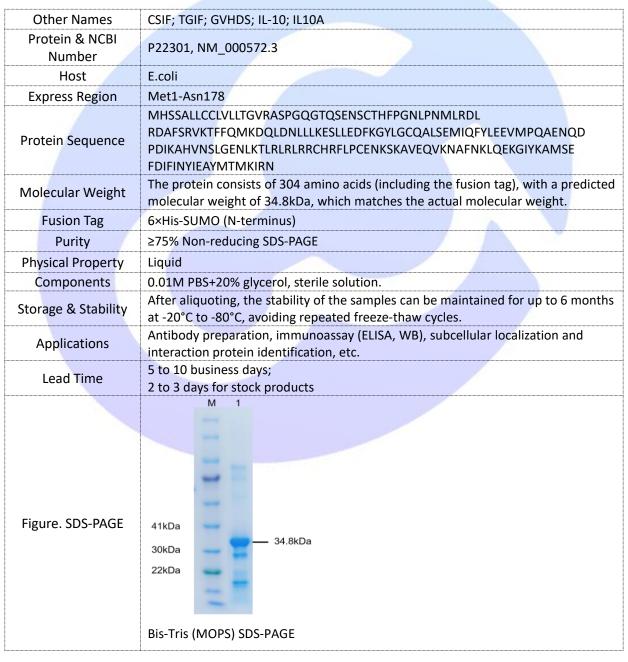


Human Interleukin 10 (IL-10) Protein, Recombinant

I. For sale

Product name	Catalog #	Package
Human Interleukin 10 (IL-10) Protein, Recombinant	P0110023	10ug
		50ug
		500ug
		1mg

II. Product Description





III. Storage and Transportation

Transport at 2-8 $^{\circ}$ C, product is stable for up to twelve months from date of receipt under sterile conditions at -20 $^{\circ}$ C to -80 $^{\circ}$ C.

IV. Notes

This product is for research use only. Please wear laboratory attire and disposable gloves when handling.

V. Background

IL-10 is composed of 178 amino acids, produced by B cells, Th1, Th2 and other adaptive immune cells.IL-10 activates a wide range of macrophage/monocyte functions, including the synthesis of monocyte factors, NO production, and the expression of major histocompatibility complex class II (MHC II) costimulatory molecules such as IL-12 and CD80/CD86. The inhibitory effect of IL-10 on IL-1 and TNF is key to its anti-inflammatory activity, as these two cytokines often have synergistic effects on inflammatory pathways and processes, expanding the inflammatory response through secondary mediators such as chemokines, PGs, and PAF. Regulating the inflammatory response in the context of constant stress is important for a living organism.

IL-10 is a multifunctional cytokine that regulates the function of hematopoietic cells.

VI. References

- 1. Asadullah K, S terry W, Volk H D. In terleukin-10 therapy-review of a new approach. Pharmacol Rev, 2003, 55(2):241-269.
- 2. Goff W L, Johnson W C, Parish S M, Barrington G M, Elsasser T H, Davis W C, Valdez R A. IL-4 and IL-10 inhibition of IFN-gamma- and TNF-alpha-dependent nitric oxide production from bovine mononuclear phagocytes exposed to Babesia bovis merozoites. Vet Immunol Immunopathol. 2002;84(3-4):237-251.
- 3. Pousset F, Cremona S, Dantzer R, Kelley K W, Parnet P. IL-10 and IL-4 regulate type-I and type-II IL-1 receptors expression on IL-1 beta-activated mouse primary astrocytes. J Neurochem. 2001;79(4):726-736.