

RPES8261

Product Information

Product SKU: RPES8261	Expression Host: stable cell line	Size: 20µg
Tag: C-His	Reactivity: Human	Accession: P22301

Additional Information

Calculated MW: 19.5 kDa	Observed MW: 19.5 kDa
Sequence: Met1-Asn178	

Protein Information

Background: Interleukin (IL)-10 is an anti-inflammatory cytokine, produced by T helper (Th) cells, macrophages, monocytes, and B cells, that plays a crucial role in preventing inflammatory and autoimmune pathologies. It downregulates the expression of Th1 cytokines, MHC class II antigens, and co-stimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. IL-10 can block NF-κB activity, and is involved in the regulation of the JAK-STAT signaling pathway. IL-10, along with its receptors, describes an important role in pathogenesis of various diseases, including infectious, inflammatory, autoimmune diseases. IL-10 mutations are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.

Synonyms: CSIF, Cytokine synthesis inhibitory factor, GVHDS, IL 10, IL-10, IL10, IL10A, Interleukin 10, Interleukin-10, MGC126450, MGC126451, T-cell growth inhibitory factor, TGIF

Endotoxin: < 1.0 EU/mg of the protein as determined by the LAL method

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

Purity: > 90% as determined by reducing SDS-PAGE.

Bio-Activity: Not validated for activity

Storage:

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.