



Recombinant Protein Technical Manual

Recombinant Human Interleukin8/IL8 Protein

RPES1650

Product Data:

Product SKU: RPES1650

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q14116

Protein Information:

Molecular Mass: 18.2 kDa

AP Molecular Mass: 17 kDa

Tag:

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Interleukin8; Iboctadekin; Interferon gamma-inducing factor; IFN-gamma-inducing factor; Interleukin gamma; IL gamma; GIF; IL8; ILg; IL1F4; MGC12320; IL18

Immunogen Information:

Sequence: Tyr37-Asp193

Background:

Interleukin8 is a secreted protein and it belongs to the IL family. IL8 is a proinflammatory cytokine and produced by macrophages and other cells. This cytokine can induce the IFN-gamma production of T cells. The combination of this cytokine and IL12 has been shown to inhibit IL-4 dependent IgE and IgG1 production, and enhance IgG2a production of B cells. IL8 binding protein (IL18BP) can specifically interact with this cytokine, and thus negatively regulate its biological activity. After stimulation with IL8, natural killer (NK) cells and certain T cells release another important cytokine called interferon- γ (IFN- γ) or type II interferon that plays an important role in activating the macrophages or other cells.