



Recombinant Protein Technical Manual

Recombinant Human Interleukin3/IL3 Protein (His Tag)(Active)

RPES1940

Product Data:

Product SKU: RPES1940

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P35225

Protein Information:

Molecular Mass: 14.3 kDa

AP Molecular Mass: 13 kDa

Tag: C-6His

Bio-activity: Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is 1.5-4.5 ng/ml.

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

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

Storage: 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.

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

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

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

Application: Cell Culture

Synonyms: ALRH;IL3;P600;IL13

Immunogen Information:

Sequence: Leu25-Asn146

Background:

Interleukin3 is also known as IL3. It is a protein that in humans is encoded by the IL13 gene. Interleukin3 is an immunoregulatory cytokine produced primarily by activated Th2 cells. It is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils.