



Recombinant Protein Technical Manual

Recombinant Mouse IL13RA1 Protein (AVI & His Tag)
RPES2452

Product Data:

Product SKU: RPES2452

Size: 20µg

Species: Mouse

Expression host: Human Cells

Uniprot: O09030

Protein Information:

Molecular Mass: 38.7 kDa

AP Molecular Mass: 58-85 kDa

Tag: C-AVI-His

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, pH 7.4.

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

Application:

Synonyms: Interleukin3 receptor subunit alpha;IL3RA1;Interleukin3-binding protein;Novel cytokine receptor 4;NR4;CD213a1; IL3 R alpha 1

Immunogen Information:

Sequence: Ala25-Thr340

Background:

Interleukin3 receptor subunit alpha(IL3RA1), also known as NR4, belongs to the hemopoietin receptor family. Interleukin3 receptor is a complex of IL4R, IL13RA1, and possibly other components. It interacts with TRAF3IP1 and binds with low affinity to interleukin3(IL3). IL3RA1, together with IL4RA, can form a functional receptor for IL13. It also serves as an alternate accessory protein to the common cytokine receptor gamma chain for interleukin-4 (IL4) signaling, but cannot replace the function of IL2RG in allowing enhanced interleukin-2 (IL2) binding activity. The WSXWS motif in domains appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.