

IL-4R & IL2RG Heterodimer Protein, Human, Recombinant (His)

General Information

Protein Construction: A DNA sequence encoding the human IL4R (NP_000409.1)(Met1-His232) was expressed, constructed the plasmid 1; A DNA sequence encoding the human IL2RG (P31785-1) (Met1-Asn254) was expressed with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the IL4R & IL2RG heterodimer was purified.
Predicted N terminal: Met 26 & Leu 23

Species: Human

Expression Host: HEK293 Cells

Accession: NP_000409.1&P31785-1

Molecular Weight: 52.74 kDa (predicted); 47.81 kDa (reducing conditions)

QC Testing

Biological Activity: Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: $\geq 95\%$ as determined by SDS-PAGE. $\geq 90\%$ as determined by SEC-HPLC.

Endotoxin: < 1.0 EU/ μ g of the protein as determined by the LAL method.

Formulation: Lyophilized from a solution filtered through a $0.22\ \mu\text{m}$ filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C . For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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