

Recombinant Mouse IL-21

Catalog No.: RP0081

Basic Information

Information

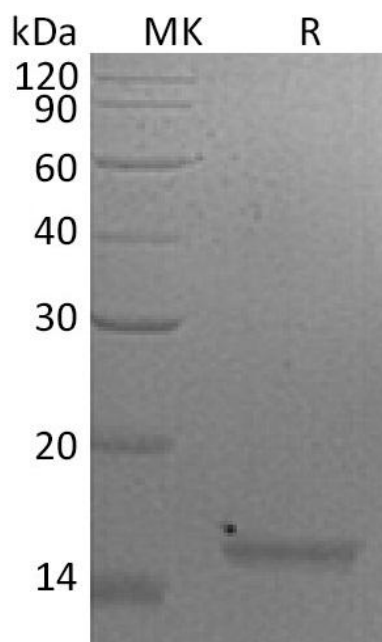
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|---------------------------|--|
| Source | <i>E.coli</i> |
| Description | Recombinant Mouse Interleukin-21 is produced by our E.coli expression system and the target gene encoding Pro25-Ser146 is expressed. |
| Accession | Q9ES17 |
| Known As | Interleukin-21; Il21 |
| Predicted Mol Mass | 14.4 KDa |
| Apparent Mol Mass | 16 KDa, reducing conditions |

Properties

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|-----------------------|--|
| Formulation | Lyophilized from a 0.2 µm filtered solution of PBS , 0.02% Tween80 , 2% Sucrose ,4% Mannitol , pH7.4. |
| Storage | Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months. |
| Endotoxin | < 0.01 EU/µg as determined by LAL test. |
| Reconstitution | Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Shipping | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. |

Experimental Data

Purity-SDS-PAGE



Greater than 95% as determined by reducing SDS-PAGE. (QC verified)

Background

Interleukin-21 also known as IL-21 is a protein that in mouse is encoded by the IL21 gene, belongs to the IL-15/IL-21 family. Interleukin-21 is a cytokine that has potent regulatory effects on cells of the immune system, including natural killer (NK) cells and cytotoxic T cells that can destroy virally infected or cancerous cells. This cytokine induces cell division/proliferation in its target cells.