

Recombinant Rhesus macaque IL-33/Interleukin-33 Protein (His Tag)

Catalog Number: PKSQ050072

Note: Centrifuge before opening to ensure complete recovery of vial contents.

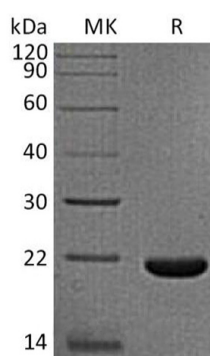
Description

| | |
|----------------------|--|
| Species | Rhesus macaque |
| Source | E.coli-derived Rhesus macaque IL-33/Interleukin-33 protein Ser112-Ile270, with an N-terminal His |
| Calculated MW | 20.3 kDa |
| Observed MW | 21 kDa |
| Accession | F7DLG4 |
| Bio-activity | Not validated for activity |

Properties

| | |
|-----------------------|--|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Storage | Generally, 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 PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| Reconstitution | Please refer to the printed manual for detailed information. |

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Interleukin-33 (IL-33) belongs to the IL-1 superfamily. IL33 is highly expressed in endothelial venules found in tonsils, Peyer patches and mesenteric lymph nodes, but almost undetectable in placenta. IL33 induces the production of T helper 2 (Th2)-associated cytokines. IL-33 is a cytokine that mediates its biological effects by binding to and signals through IL1RL1/ST2 and IL-1 Receptor Accessory Protein (IL1RAP), activating intracellular molecules in the NF-κB and MAP kinase signaling pathways that drive production of type 2 cytokines from polarized Th2 cells.

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