

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

Catalog Number: PKSQ050072

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

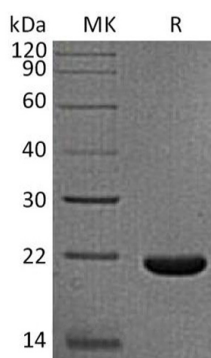
Description

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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