



Recombinant Protein Technical Manual

Recombinant Human Interleukin-33/IL-33 Protein (His Tag) RPES2397

Product Data:

Product SKU: RPES2397

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: O95760

Protein Information:

Molecular Mass: 20.3 kDa

AP Molecular Mass: 21 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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 20mM Tris, 150mM NaCl, 1mM EDTA, pH 8.0.

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

Application:

Synonyms: Interleukin-33; IL-33; Interleukin Family Member 11; ILF11; Nuclear Factor From High Endothelial Venules; NF-HEV; IL33; C9orf26; IL1F11; NFHEV

Immunogen Information:

Sequence: Ser112-Thr 270

Background:

Interleukin-33 (IL-33) belongs to the IL 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 Receptor Accessory Protein (IL1RAP), activating intracellular molecules in the NF- κ B and MAP kinase signaling pathways that drive production of type 2 cytokines from polarized Th2 cells.