

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

Catalog No. PKSH032642

Description

Synonyms	Interleukin-33; IL-33; Interleukin-1 Family Member 11; IL-1F11; Nuclear Factor From High Endothelial Venues; NF-HEV; IL33; C9orf26; IL1F11; NFHEV
Species	Human
Expression_host	E.coli
Sequence	Ser112-Thr 270
Accession	O95760
Mol_Mass	20.3 kDa
AP_Mol_Mass	21 kDa
Tag	N-6His

Properties

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.

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.

SDS-PAGE

