

# Recombinant Human Interleukin 33, HIgG1 Fc-tagged

**Cat. No.** IL33-123H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | The extracellular domain of human IL-33 (AAH47085.1)(Ser112-Thr270) is fused to the N-terminus of the Fc region of human IgG1 was expressed in CHO cell.                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | CHO                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | IL33 (MIM 608678) is a member of the IL1 (see MIM 147760) family that potently drives production of T helper-2 (Th2)-associated cytokines (e.g., IL4; MIM 147780). IL33 is a ligand for IL33R (IL1RL1; MIM 601203), an IL1 family receptor that is selectively expressed on Th2 cells and mast cells |
| <b>Form</b>             | Lyophilized from 0.2µm-filtered solution in PBS.                                                                                                                                                                                                                                                     |
| <b>Bio-activity</b>     | Measured in a cell proliferation assay.                                                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | 44KDa (monomer)                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | Ser112-Thr270                                                                                                                                                                                                                                                                                        |
| <b>Endotoxin</b>        | <0.06 eu/µg="" as="" determined="" by="" lal="" test="">                                                                                                                                                                                                                                             |
| <b>Purity</b>           | >98%, by SDS-PAGE under reducing conditions.                                                                                                                                                                                                                                                         |
| <b>Stability</b>        | Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are                                                                                                                                                                                                                  |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

stable for up to 3 months when stored at -20°C.

**Reconstitution** Reconstitute at 100µg/ml in sterile PBS.

**Warning** Avoid freeze/thaw cycles.

## GENE INFORMATION

**Gene Name** [IL33 interleukin 33 \[ Homo sapiens \]](#)

**Official Symbol** IL33

**Synonyms** IL33; interleukin 33; C9orf26, chromosome 9 open reading frame 26 (NF HEV); interleukin-33; DKFZp586H0523; DVS27; DVS27 related protein; IL1F11; interleukin 1 family; member 11; NF HEV; nuclear factor for high endothelial venules; IL-33; IL-1F11; DVS27-related protein; interleukin-1 family member 11; nuclear factor from high endothelial venules; NF-HEV; NFEHEV; C9orf26; RP11-575C20.2;

**Gene ID** [90865](#)

**mRNA Refseq** [NM\\_001199640](#)

**Protein Refseq** [NP\\_001186569](#)

**MIM** [608678](#)

**UniProt ID** [O95760](#)

**Chromosome Location** 9p24.1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                 |                                                                                                                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pathway</b>  | Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Influenza A, organism-specific biosystem; Influenza A, conserved biosystem; |
| <b>Function</b> | cytokine activity; protein binding;                                                                                                                                                         |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA