

Active Recombinant Human Interleukin 33, MIgG2a Fc-tagged

Cat. No. IL33-121H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | The extracellular domain of human IL-33 (AAH47085.1)(Ser112-Thr270) is fused to the N-terminus of the Fc region of mouse IgG2a was expressed in CHO cell. |
| Species | Human |
| Source | CHO |
| ProteinLength | 112-270 a.a. |
| Description | 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. |
| Form | Lyophilized from 0.2µm-filtered solution in PBS. |
| Bio-activity | Measured in a cell proliferation assay. |
| Molecular Mass | 44KDa (monomer) |
| AA Sequence | Ser112-Thr270 |
| Endotoxin | <0.06 eu/µg="" as="" determined="" by="" lal="" test.=""> |
| Purity | >98%, by SDS-PAGE under reducing conditions. |

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|----------------------------|---|
| Stability | Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are 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 |

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Pathway

Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Influenza A, organism-specific biosystem; Influenza A, conserved biosystem;

Function

cytokine activity; protein binding;

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