

Datasheet for ABIN1343980
IL-33 Protein (AA 109-266)



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Overview

| | |
|--------------------------|----------------------------|
| Quantity: | 10 µg |
| Target: | IL-33 (IL33) |
| Protein Characteristics: | AA 109-266 |
| Origin: | Human, Mouse |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Application: | SDS-PAGE (SDS) |

Product Details

| | |
|-------------------|---|
| Specificity: | Binds to mouse and human ST2. |
| Cross-Reactivity: | Human, Mouse (Murine) |
| Characteristics: | Mouse IL-33 (aa 109-266) is untagged. |
| Purity: | >95 % (SDS-PAGE) |
| Endotoxin Level: | <0.1EU/µg purified protein (LAL test, Lonza). |

Target Details

| | |
|-------------------|---|
| Target: | IL-33 (IL33) |
| Alternative Name: | IL-33 (IL33 Products) |
| Background: | Interleukin-33 (IL-33, HF-NEV, IL-1F11), a member of the IL-1 family of cytokines, is expressed |

Target Details

by many cell types following pro-inflammatory stimulation and is thought to be released upon cell lysis. IL33 binds to and signals through ST2 (IL1R1) and its stimulation recruits MYD88, IRAK, IRAK4, and TRAF6, followed by phosphorylation of ERK1(MAPK3)/ERK2(MAPK1), p38(MAPK14), and JNK. The ability of IL-33 to target numerous immune cell types, like Th2-like cells, mast cells, and B1 cells, and to induce cytokine and chemokine production underlines its potential in influencing the outcome of a wide range of diseases, such as arthritis, asthma, atopic allergy & anaphylaxis, cardiovascular disease/atherosclerosis, nervous system diseases, and sepsis.

Molecular Weight: ~18kDa

UniProt: [Q2YEJ4](#)

Pathways: [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Activates ST2-dependent NF-kappaB pathway.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with 100 µL sterile water.

Concentration: Lot specific

Buffer: Lyophilized. Contains PBS.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 6 months after receipt when stored at -20°C.

Expiry Date: 6 months