

[Go to Product page](#)

Datasheet for ABIN5564483

IL1F10 Protein (AA 20-152) (His tag)

Overview

Quantity:	10 µg
Target:	IL1F10
Protein Characteristics:	AA 20-152
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL1F10 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Cross-Reactivity:	Human
Characteristics:	Human IL-38 (aa Leu20-Trp152) is fused at the C-terminus to a His-tag.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	IL1F10
Alternative Name:	IL-38 (IL1F10 Products)
Background:	IL-38 (IL-1F10) belongs to the IL-1 family of proteins. IL-38 is expressed in heart, placenta, fetal liver, spleen, thymus and tonsil. The expression in a variety of immune tissues and similarity to

Target Details

IL-1Ra suggest a role of IL-38 in the inflammatory response. It has been reported that removal of the N-terminus domain of the interleukins of the IL-1F family such as IL-1F5 / 6 / 8 or 9 (also called IL-36Ra, IL-36alpha, IL-36beta or IL-36gamma) is important to increase their biological activity. Recently it has been shown that IL-38 is N-terminally processed and secreted by apoptotic cells. Released processed IL-38 (20-152) binds to the receptor Interleukin-1 receptor accessory protein-like 1 (IL1RAPL1, TIGIRR-2) at the surface of macrophages. Processed IL-38-activated IL1RAPL1 reduces the production of IL-6 leading to inflammation attenuation. IL-38 is unregulated during some autoimmune diseases such as Systemic Lupus Erythematosus.

Molecular Weight: ~16kDa

UniProt: [Q8WWZ1](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Solid

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