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IL36A/IL1F6 Protein (AA 6-158)



Overview

Quantity:	10 μg
Target:	IL36A/IL1F6 (IL1F6)
Protein Characteristics:	AA 6-158
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Cross-Reactivity:	Human
Characteristics:	Human IL-36alpha (aa Lys6-Phe158) is untagged.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	IL36A/IL1F6 (IL1F6)
Alternative Name:	IL-36alpha (IL1F6 Products)
Background:	IL-36alpha (IL-1F6), IL-36beta (IL-1F8) and IL-36gamma (IL-1F9) bind to IL-36R (IL-1Rrp2) and
	IL-1RAcP, activating similar intracellular signals as IL-1 and are inhibited by IL-36Ra. The
	expression of IL-36 cytokines has been shown to occur at different sites including the lung and
	skin and can be derived from diverse cell types including keratinocytes, bronchial epithelium as

Target Details

well as macrophages, monocytes and different T cell subsets. IL-36 family members induce the production of proinflammatory cytokines, including IL-12, IL-1beta, IL-6, TNF-alpha and IL-23 in BMDC and CD4 T cells. Skin and dendritic cells are targets of the IL-36 interleukins leading to a Th1 response. These cytokines may represent potential targets for immune-mediated inflammatory conditions or, alternatively, could be used as adjuvants in vaccination. Recently a novel role for IL-36alpha in the pathogenesis of intestinal inflammation has been reported.

Molecular Weight: ~17kDa

UniProt: Q9UHA7

Pathways: Cancer Immune Checkpoints

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