Active Recombinant Mouse Il1f5 Protein

Cat. No. Il1f5-148M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse interleukin 1 family, member 5 (delta) (Il1f5), transcript variant 2 without tag was expressed in E.coli.
Species	Mouse
Source	E.coli
Description	Inhibits the activity of interleukin-36 (IL36A,IL36B and IL36G) by binding to receptor IL1RL2/IL-36R and preventing its association with the coreceptor IL1RAP for signaling. Part of the IL-36 signaling system that is thought to be present in epithelial barriers and to take part in local inflammatory response; similar to the IL-1 system with which it shares the coreceptor. Proposed to play a role in skin inflammation. May be involved in the innate immune response to fungal pathogens. May activate an anti-inflammatory signaling pathway by recruiting SIGIRR.
Bio-activity	Measured by its ability to inhibit IL-36γ induced IL-6 production by human PBMCs.
Molecular Mass	17 kDa
AA Sequence	VLSGALCFRMKDSALKVLYLHNNQLLAGGLHAEKVIKGEEISVVPNRALDASLSPVIL GVQGGSQCLSCGTEKGPILKLEPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAY PGWFLCTSPEADQPVRLTQIPEDPAWDAPITDFYFQQCD
Endotoxin	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)

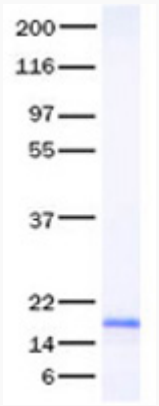
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Purity	>95%, as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
Storage	Store at -80 centigrade.
Storage Buffer	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer,100mM NaCl, pH 7.2
Reconstitution	Resuspend the protein in the desired concentration in proper buffer.

GENE INFORMATION

Gene Name	Il1f5 interleukin 1 family, member 5 (delta) [Mus musculus (house mouse)]
Official Symbol	Il1f5
Synonyms	Il1f5; interleukin 1 family, member 5 (delta); IL36RN; Il-1h3; Il1hy1; IL-36Ra; AI413231; Fil1delta; interleukin-36 receptor antagonist protein; IL-1 delta; IL-1F5; IL-1HY1; IL-1L1; interleukin 1 receptor antagonist homolog 1; interleukin-1 HY1; interleukin-1 delta; interleukin-1 family member 5; interleukin-1 homolog 3; interleukin-1-like protein 1
Gene ID	54450
mRNA Refseq	NM_019451
Protein Refseq	NP_062324
UniProt ID	Q9QYY1

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