

## Active Recombinant Mouse Il1f5 Protein

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of Mouse interleukin 1 family, member 5 (delta) (Il1f5), transcript variant 2 without tag was expressed in E.coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Bio-activity</b>	Measured by its ability to inhibit IL-36y induced IL-6 production by human PBMCs.
<b>Molecular Mass</b>	17 kDa
<b>AA Sequence</b>	VLSGALCFRMKDSALKVLYLHNNQLLAGGLHAEKVIKGEEISVVPNRALDASLSPVIL GVQGGSQCLSCGTEKGPILKLEPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAY PGWFLCTSPEADQPVRLTQIPEDPAWDAPITDFYFQQCD
<b>Endotoxin</b>	Endotoxin level is < 0.1 ng/g of protein (< 1 EU/g)

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

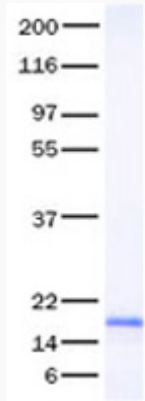
## GENE INFORMATION

<b>Gene Name</b>	Il1f5 interleukin 1 family, member 5 (delta) [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Il1f5
<b>Synonyms</b>	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
<b>Gene ID</b>	54450
<b>mRNA Refseq</b>	NM_019451
<b>Protein Refseq</b>	NP_062324
<b>UniProt ID</b>	Q9QYY1

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