

## Product datasheet for TP520215

### IL1f8 (NM\_027163) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse interleukin 1 family, member 8 (IL1f8), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR220215 representing NM_027163 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MMAFPPQSCVHVLPPKSIQMWEPNHNTMHGSSQSPRNYRVHDSQQMVWVLTGNTLTAVPASNNVKPVILS LIACRDTEFQDVKKGNLVFLGIKRNRLCFCCEMEGKPTLQLKEVDIMNLYKERKAQKAFLEYHGIEGST SVFQSVLYPGWFIATSSIERQTIILTHQRGKLVNTNFYIESEK  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	21.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_081439</a></u>
Locus ID:	69677
UniProt ID:	<u><a href="#">Q9D6Z6</a></u> , <u><a href="#">Q08EA6</a></u>
RefSeq Size:	790
Cytogenetics:	2 16.21 cM



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RefSeq ORF: 549

Synonyms: 2310043N20Rik; IL36b

**Summary:** Cytokine that binds to and signals through the IL1RL2/IL-36R receptor which in turn activates NF-kappa-B and MAPK signaling pathways in target cells linked to a pro-inflammatory response. 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 IL1RAP. Stimulates production of interleukin-6 and interleukin-8 in synovial fibroblasts, articular chondrocytes and mature adipocytes. Induces expression of a number of antimicrobial peptides including beta-defensin 4 and beta-defensin 103 as well as a number of matrix metalloproteases (By similarity). Seems to be involved in skin inflammatory response by acting on keratinocytes, dendritic cells and indirectly on T-cells to drive tissue infiltration, cell maturation and cell proliferation. Induces the production of proinflammatory cytokines in bone marrow-derived dendritic cells (BMDCs), including IL-12, IL-1 beta, IL-6, TNF-alpha and IL-23, and activates p38 MAPK phosphorylation in BMDCs. Involved in dendritic cell maturation by stimulating the surface expression of CD80, CD86 and MHC class II. Induces the production of IFN-gamma, IL-4 and IL-17 by T-helper 1 (Th1) cells, cultured CD4(+) T-cells and splenocytes.[UniProtKB/Swiss-Prot Function]