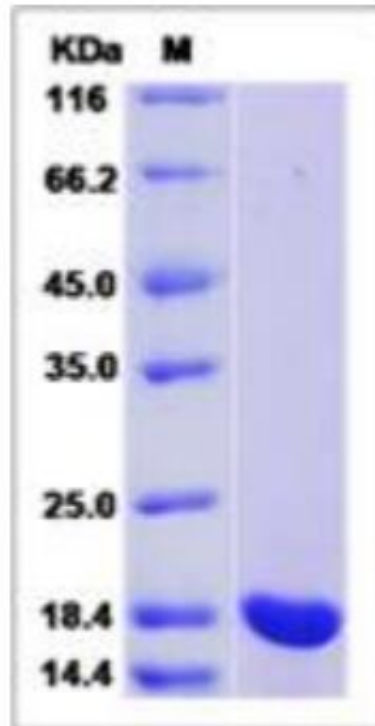


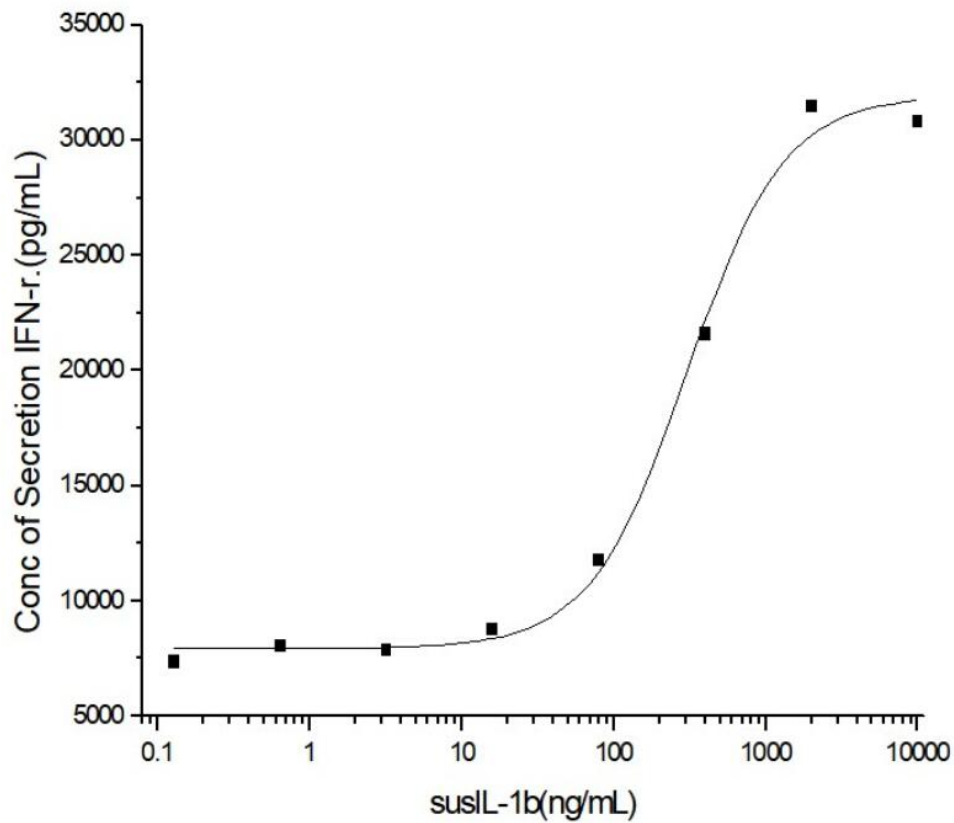
Recombinant *Sus scrofa* (Pig) IL1B Protein, No Tag

Product Information

Cat	IMP-4606
Official Symbol	IL1B
Product Overview	Recombinant <i>sus scrofa</i> IL1B (NP_999220.1) (Ala115-Pro267) was expressed with an initial Met.
Description	Interleukin-1 beta (IL1 beta or IL1B) also known as catabolin, is a member of the interleukin 1 cytokine family. IL1 is a pleiotropic cytokine. It is involved in the inflammatory response, cell growth, and tissue repair in the cortex. The IL1 superfamily consists of three members, IL1A (IL1 alpha), IL1B (IL1 beta), and IL1 receptor antagonist (IL1Ra). In clinical, it has been reported that Interleukin (IL)-1 may influence Th1 / Th2 immune responsiveness and has been implicated in the establishment of a successful pregnancy. Proinflammatory interleukin (IL)-1 gene polymorphisms associated with high levels of IL-1beta activity increase the risk for hypochlorhydria and distal gastric carcinoma. IL1B polymorphisms may be involved in susceptibility to SSc. Moreover, the IL2-384-G allele may be a marker for the limited phenotype of systemic sclerosis (SSc).
Expression System	<i>E. coli</i>
Species	<i>Sus scrofa</i> (Pig)
Tag	No Tag
Predicted N Terminal	Met
Form	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.
Molecular Mass	The recombinant <i>sus scrofa</i> IL1B consists 154 amino acids and predicts a molecular mass of 17.7 kDa.
Protein length	Ala115-Pro267
Endotoxin	Please contact us for more information.
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
SDS-PAGE	



Bioactivity-Cell based assay 1



Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED50 for this effect is typically 0.08-0.5 µg/mL.