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## Product Datasheet

### Human IL1F9 protein, His tag, Unconjugated GTX00148-PRO

Article Name	Human IL1F9 protein, His tag, Unconjugated
Biozol Catalog Number	GTX00148-PRO
Supplier Catalog Number	GTX00148-pro
Alternative Catalog Number	GTX00148-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	<a href="#">56300</a>
UniProt	<a href="#">Q9NZH8</a>
Buffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	E. coli
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Met1~Ala162 (NP_001265497.1)

Application Notes

IL36G (Interleukin 36 gamma), also known as IL-1F9 and IL-1H1 is a member of the IL-1 family. The receptor for IL36 gamma is reported to be a combination of IL-1 R6/IL-1 R rp2 and IL-1 R3/IL-1 R AcP. Thus we have conducted a binding ELISA assay to detect the interaction of recombinant human IL36G with recombinant human IL1R1. Briefly, IL36G were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100  $\mu$ l were then transferred to IL1R1-coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with anti-IL1R1 pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37C. Finally, add 50  $\mu$ l stop solution to the wells and read at 450nm immediately. The binding activity of IL36G with IL1R1 was in a dose dependent manner.