

## Interleukin 17 Receptor D (IL17RD) Active Protein | IL17RD active protein

Active Interleukin 17 Receptor D (IL17RD)

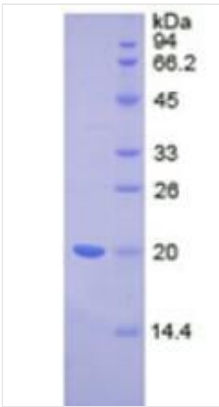
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                 |
|-----------|--------|------------|------------------------------|
| AAA148245 | E Coli | Human      | Activity Assay, Cell Culture |

### PRODUCT SYNONYMS

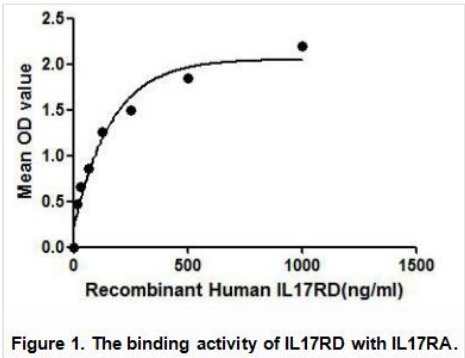
Interleukin 17 Receptor D (IL17RD); Active Interleukin 17 Receptor D (IL17RD); SEF; IL17RLM; IL-17RD; IL17R-D; IL17Rhom; Interleukin-17 receptor-like protein; IL17RD active protein

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                     |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Host                                              | E Coli                                                                                              |
| Reactivity                                        | Human                                                                                               |
| Purity/Purification                               | > 90%                                                                                               |
| Form/Format                                       | Freeze-dried powder                                                                                 |
| Sequence Length                                   | 595                                                                                                 |
| Applicable Applications for IL17RD active protein | Activity Assay, Cell Culture                                                                        |
| Tag                                               | N-terminal His Tag                                                                                  |
| Buffer Formulation                                | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. |
| Fragment                                          | Thr157~Arg299                                                                                       |
| Isoelectric Point                                 | 8.9                                                                                                 |



SDS-PAGE



**Activity**  
IL17RD (interleukin-17 receptor D) is a membrane protein belonging to the IL17R protein family, acting as a component of the interleukin-17 receptor signaling complex. Knowing that the interaction between this protein and IL-17R does not require the interleukin, we have conducted a binding ELISA assay to detect the interaction of recombinant human IL17RD with both recombinant human IL17RA and IL17. Briefly, IL17RD were diluted serially in PBS, with 0.01%BSA (pH 7.4). Duplicate samples of 100uL were then transferred to IL17RA-coated or IL17-coated microtiter wells and incubated for 2h at 37 degree C. Wells were washed with PBST and incubated for 1h with anti-IL17RA pAb and anti-IL17 pAb separately, 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 37 degree C. Finally, add 50uL stop solution to the wells and read at 450nm immediately. The binding activity of IL17RD with IL17RA and IL17 was shown in Figure 1 and Figure 2 respectively and this effect was in a dose dependent manner.

ADDITIONAL INFORMATION

|                                                     |                    |
|-----------------------------------------------------|--------------------|
| Product Categories/Family for IL17RD active protein | Infection immunity |
|-----------------------------------------------------|--------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                         |
|----------------------------------|-------------------------------------------------------------------------|
| NCBI GI #                        | 974141079                                                               |
| NCBI GeneID                      | 54756                                                                   |
| NCBI Accession #                 | NP_001305793.1                                                          |
| NCBI GenBank Nucleotide #        | NM_001318864.1                                                          |
| UniProt Accession #              | Q8NFM7; Q2NKP7; Q58EZ7; Q6RVF4; Q6UWI5; Q8N113; Q8NFS0; Q9UFA0          |
| Molecular Weight                 | Predicted Molecular Weight: 18.0kDa<br>Accurate Molecular Weight: 20kDa |
| NCBI Official Full Name          | interleukin-17 receptor D isoform b                                     |
| NCBI Official Synonym Full Names | interleukin 17 receptor D                                               |
| NCBI Official Symbol             | IL17RD                                                                  |
| NCBI Official Synonym Symbols    | SEF; HH18; IL-17RD; IL17RLM                                             |
| NCBI Protein Information         | interleukin-17 receptor D                                               |
| UniProt Protein Name             | Interleukin-17 receptor D                                               |
| UniProt Gene Name                | IL17RD                                                                  |
| UniProt Synonym Gene Names       | IL17RLM; SEF; IL-17 receptor D; IL-17RD; hSef                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/e-coli-human-active-protein/interleukin-17-receptor-d-il17rd/148245>