

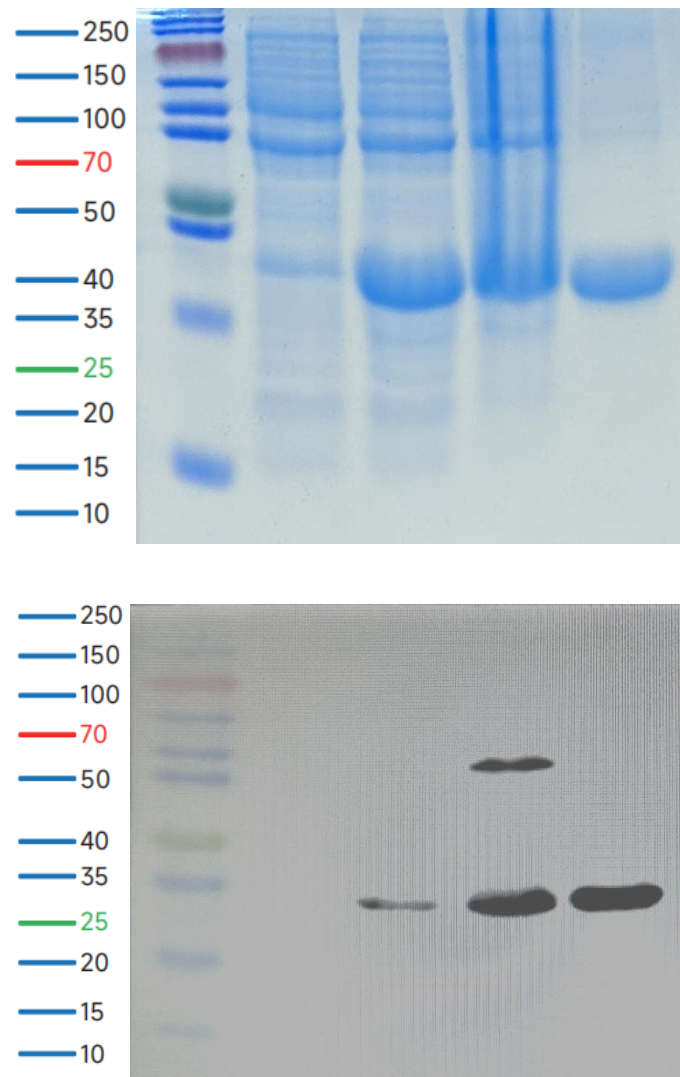


Figure 1F. SDS-PAGE and immunoblot analysed the prokaryotic expression and purification of PADRE-rFel d 1

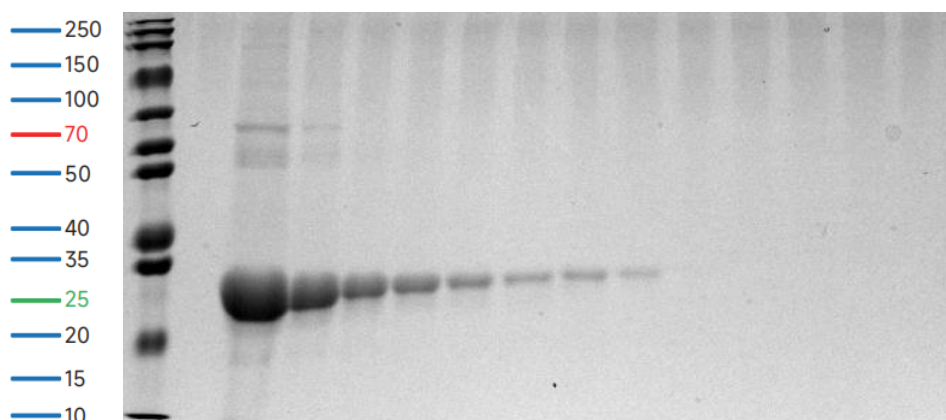


Figure 1G. Adsorption test of LDH with PADRE-rFel d 1.

Supplementary Table 1. Oligonucleotide primers used in qRT-PCR for monitoring cytokine gene expression.

| Gene           | Primer sequence                   | Size of PCR product<br>(bp) |
|----------------|-----------------------------------|-----------------------------|
| IL-5           | F: 5'-CCCTCATCCTCTTCGTTGCAT-3'    | 21                          |
|                | R: 5'-ATGTGATCCTCCTGCGTCCAT-3'    | 21                          |
| IL-13          | F: 5'-GGCAGCAGCTTGAGCACATT-3'     | 20                          |
|                | R: 5'-GGCATAGGCAGCAAACCATG-3'     | 20                          |
| GATA3          | F: 5'-CAGAACCGGCCCTTATCA-3'       | 19                          |
|                | R: 5'-ACAGTTCGCGCAGGATGTC-3'      | 19                          |
| ROR $\gamma$ t | F: 5'-ACAGCCACTGCATTCCCAGTTT-3'   | 22                          |
|                | R: 5'-TCTCGGAAGGACTTGCAGACAT-3'   | 22                          |
| T-bet          | F: 5'-CCTCTTCTATCCAACCAGTATC-3'   | 22                          |
|                | R: 5'-CTCCGCTTCATAACTGTGT-3'      | 19                          |
| IFN- $\gamma$  | F: 5'-TCAAGTGGCATAGATGTGGAAGAA-3' | 24                          |
|                | R: 5'-TGGCTCTGCAGGATTTTCATG-3'    | 21                          |
| IL-17A         | F: 5'-CAGCAGCGATCATCCCTCAAAG-3'   | 22                          |
|                | R: 5'-CAGGACCAGGATCTCTTGCTG-3'    | 21                          |
| TGF- $\beta$   | F: 5'-CACCGGAGAGCCCTGGATA-3'      | 19                          |
|                | R: 5'-TGTACAGCTGCCGCACACA-3'      | 19                          |
| $\beta$ -actin | F: 5'-AGTGTGACGTTGACATCCGTA-3'    | 21                          |
|                | R: 5'-GCCAGAGCAGTAATCTCCTTCT-3'   | 22                          |