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Article: Supplementary Material

The Design and Cell-free Protein Synthesis of a Pembrolizumab Single-Chain Variable Fragment

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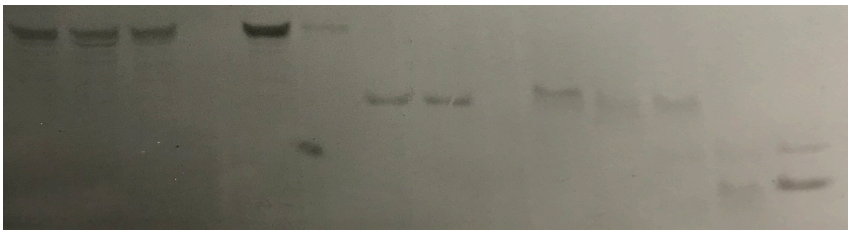


Figure S1. The original scanned image of an autoradiogram used in Figure 1c.

Lanes 7 and 8 were cropped out of this figure and horizontally compressed. This was performed using Microsoft Office tools.

The complete DNA Sequence: The annotated sense strand DNA sequence of the expression cassette for Pem-scFv featured in this work. The T7 RNA polymerase promoter and terminator sequences for transcription are underlined. The start and stop codons are highlighted in blue and red, respectively.

TAATACGACTCACTATAGGGAGACCACAACGGTTTCCCTCTAGAAATAATTTT-
GTTTAACTTTAAGAAGGAGATATACATATGCAGGTTCAGCTGGTTCAGAGCGGTGTTGAAGTTAAAAAACCGGGTGCAAG
CGTTAAAGTTAGCTGTAAAGCAAGCGGTTATACCTTCACCAACTATTA-
TATGTATTGGGTTCGTCAGGCACCTGGTCAAGGTCTGGAATGGATGGGTGGTATTAATCCGAGCAATGGTGGCACCAATTT
TAACGAGAAATTCAAAAATCGTGTGACCCTGACCACCGATAGCAGCACCACCACCGCATA-
TATGGAACTGAAAAGCCTGCAGTTTGATGATACCGCAGTGTATTATTGTGCACGTCGTGATTATCGTTTTGATATGGGCTTT
GATTATTGGGGTCAGGGCACCACCGTTACCGTTAGCAGCGGTGGCGGTGGTAG-
TGGCGGCGGTGGTAGTGGTGGCGGCGGTAGCGGAGGTGGTGGTTCAGAAATTGTTCTGACCCAGAGTCCGGCAACACTGA
GCCTGAGTCCGGGTGAACGTGCAACCCTGAGCTGTCGTGCAAGCAAAGGTGTTAGCAC-
CAGCGGTTATTCATATCTGCATTGGTATCAGCAGAAACCAGGCCAGGCACCGCGTCTGCTGATTTATCTGGCAAGCTATCT
GGAAAGCGGTGTTCCGGCACGTTTTAGCGGTAGTGGTAGCGGCACCGAT-
TTTACCCTGACAATTAGCAGCCTGGAACCGGAAGATTTTGCAGTTTATTACTGTCAGCATAGCCGTGATCTGCCGCTGACCT
TTGGTGGTGGTACAAAAGTTGAAATCAAAACCAGCGAGAACCTGTATTTTCAGCATCATCAC-
CATCATCATTAACTGCCACCGCTGAGCAATAACTAGCATAACCCCTTGGGGCCTCTAAACGGGTCTTGAGGGGTTTTTTG