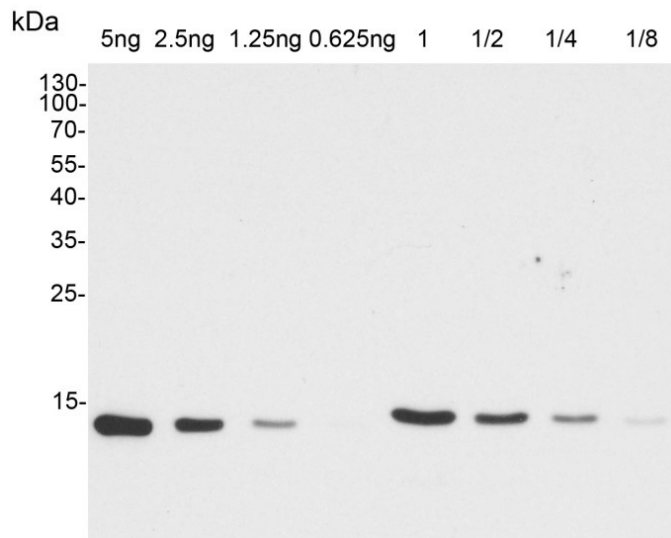


## Supplemental data



**Figure S1 Concentration of IL-22 as quantified by Western blot densitometry.** Dilutions of pure commercial IL-22 (5 ng to 0.625 ng) and culture supernatant were loaded onto the gel and detected by Western blot. The concentration of expressed protein in the supernatant was calculated with reference to the standard curve consisting of known concentrations of the purified reference protein.

**Table S1 Primers and synthetic genes used in this study.**

Primer or gene	Sequence (5'-3')	Features
APFSalS	CGCGT <u>CGAC</u> GATAAGGCAGAATAATGGAATAA	Forward, Sall
APFBamAS	CGGGATCCTTCTACAATAGCAGCTTGAGCAGT	Reverse, BamHI
APFSacS	CGAGCTCTCAACTGTAAGTGGTTCAGAAGCT	Forward, SacI
EcoAS2	CGGAATTCCTTGAACCGTTTGTGGTGTCTGTTT	Forward, EcoRI
prtPSacS	CGGAGCTCAAGAAGACTTCGCTGCTTAACCAGT	Forward, SacI
prtPSacAS	CGGAGCTCCTATTCTTCACGTTGTTTCCGTT	Reverse, SacI
IL-22 synthetic gene	<p><u>GGATCCTTGCCTGTCAACACCCGCTGTAAGCTGGAGGTCTCAA</u>            ACTTTCAACAACCGTATATTGTGAATCGGACTTTTATGCTGGC            CAAGGAAGCGAGCTTAGCCGATAATAACACTGATGTTTCGTTTG            ATTGGGGAAAAGTTATTTCTGGGGCGTGTCCGCGAAGGATCAGT            GTTATTTGATGAAGCAAGTGCTGAACTTTACCCTGGAAGATGT            CTTGTTACCGCAGTCGGATCGGTTTTCAGCCATATATGCAAGAG            GTTGTGCCGTTTCTGACGAAATTGTCAAACCAATTGAGTTCGT            GCCATATTTCTGGCGATGATCAGAATATTCAAAGAAGCTCCG            TCGGCTGAAAGAAACCGTTAAGAAATTGGGCGAGTCTGGTGAG            ATTAAGGCGATTGGGGAAGTGGATTTGTTATTTATGTCACTGC            GGAATGCTTGCCTTTAAGAGCTC</p>	<p>For cloning in pAFβ100-IL22.            A similar gene without stop codon (TAA) was cloned in pAFβ900-IL22.</p>