**CCL27 Nanos**

Kozak

gccacc

IgE Leader sequence

atggactggacatggattctgttcttggtggctgcagccacccgggtccacagc

CCL27 (2KUM\_1)

FLLPPSTACCTQLYRKPLSDKLLRKVIQVELQEADGDCHLQAFVLHLAQRSICIHPQNPSLSQWFEHQERKLHGTLPKLNFGMLRKMG

GS-Linker (short) between antigen and chemokine

ggtggttccggtggc

GS-Linker (long) between scaffold and antigen

ggcgggagcggagggagtggcggatctggcgggagcggcggaggc

2X stop codon (\*\*)

tgatga

IMX

aaaaaacagggggatgctgatgtctgcggagaggtggcttatatccagagcgtggtgtccgactgccacgtgccaaccgcagagctgcggacactgctggagatcagaaaactgttcctggagattcagaaactgaaagtcgagctgcaggggctgtcaaaagaataatag

Kozak – IgE leader – CCL27 (2KUM\_1) – GS-linker (short) – antigen – GS-linker (long) - IMX - \*\*

Ferritin ctttcaaaagatattattaagctcctgaatgagcaagtcaataaagaaatgcaatcttctaacctgtacatgagcatgtctagctggtgttatactcacagtctcgacggcgctggcctctttctgttcgatcacgccgctgaagaatatgagcacgcgaagaagcttataatcttcctgaacgagaataatgttcccgtccaactgacgtccatttccgcccctgaacacaagtttgagggtctgactcagatctttcaaaaggcgtacgagcacgagcagcatatcagcgagagcattaacaacattgtcgatcacgccattaaaagcaaagaccacgctaccttcaactttctccaatggtacgtcgccgaacagcatgaggaagaagtattgttcaaggatatactcgataagattgaactgatcggaaatgagaatcacggcctgtacctggccgaccaatacgtcaaaggcattgccaagtctaggaaaagctagtag

Kozak – IgE leader – CCL27 (2KUM\_1) – GS-linker (short) – antigen – GS-linker (long) - Ferritin - \*\*

N460

atgcagatctacgagggcaatctgaccgccgagggcctgagattcggcatcgtggcctctagagccaaccacgccctggtggataggctggtggagggcgccatcgatgccatcgtgagacacggcggcaatggcagcgatatcaccctggtgcgcgtgtgcggctcttgggagatcccagtggccgccggcgagctggccagaaaggaggacatcgatgccgtgatcgccatcggcgtgctgtgcaggggcgccaccccttctttcgactacatcgccagcgaggtgtctaagggcctggccgatctgtctctggagctgaggaagcccatcacattcggcgtgatcacagccgacaccctggagcaggccatcgaggccgccggcacatgtcacggcaataagggctgggaggccgccctgtgcgccatcgagatggccaacctgttcaagagcctgaggggcggcggcggcggcggctctggcggcggcggc

Kozak – IgE leader – CCL27 (2KUM\_1) – GS-linker (short) – N460 – \*\*