

**Figure S4.** RT-PCR analysis of 293T cells transfected with receptor genes. Corresponding cDNA fragments were amplified from the total RNA of cells transfected with different genes. (A) Control cells; (B) pQCMV cells; (C) pQCMV-*Rfapn2a* cells; (D) pQCMV-*Rfapn2b* cells. M: 1000 bp DNA marker; lane 1-5 correspond to *flag+egfp*, *Rfapn2a*, *flag+egfp*+*Rfapn2a*, *Rfapn2b*, *flag+egfp*+*Rfapn2b*, respectively. The *flag*+*egfp* CDS (783 bp) was successfully amplified in cells transfected with the pQCMV vector; the *flag*+*egfp*, *Rfapn2a* (2,855 bp), and *flag*+*egfp*+*Rfapn2a* CDS were amplified in RfAPN2a-expressing cells; the *flag*+*egfp*, *Rfapn2b* (2,728 bp) and *flag*+*egfp*+*Rfapn2b* CDS were amplified in RfAPN2b-expressing cells. And these fragments were not amplified from the total RNA of control 293T cells.