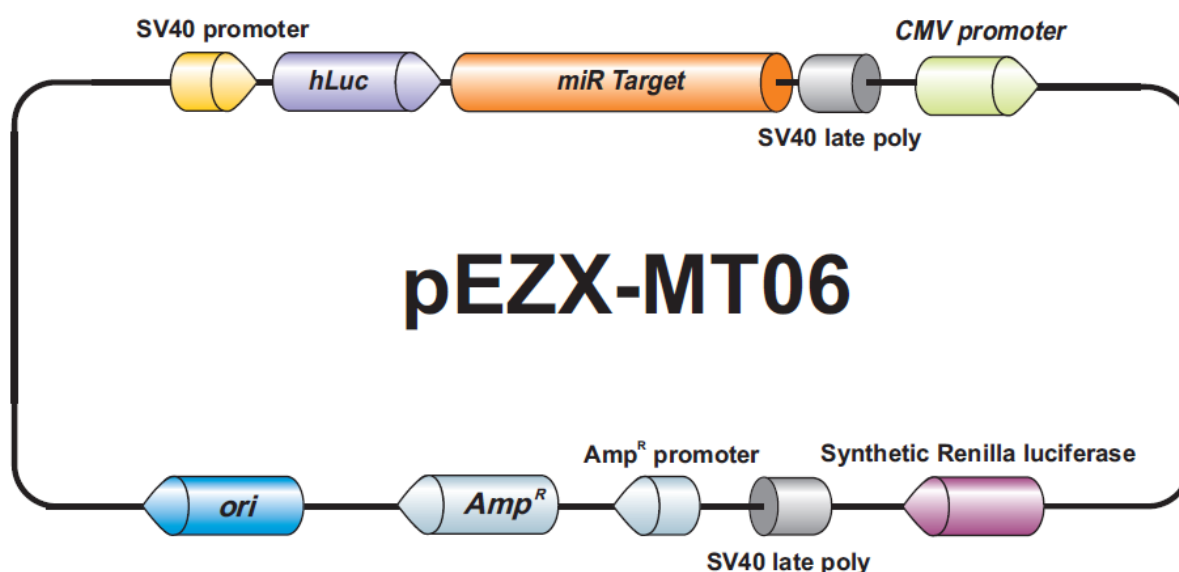


MiRNA-424-5p Suppresses Proliferation, Migration, and Invasion of Clear Cell Renal Cell Carcinoma and Attenuates Expression of O-GlcNAc-Transferase

Thomas J. Kalantzakos, Travis B. Sullivan, Thales Gloria, David Canes, Alireza Moinzadeh and Kimberly M. Rieger-Christ

(A)



(B)

3' UTR OGT (NM_181673.3)

Wild type

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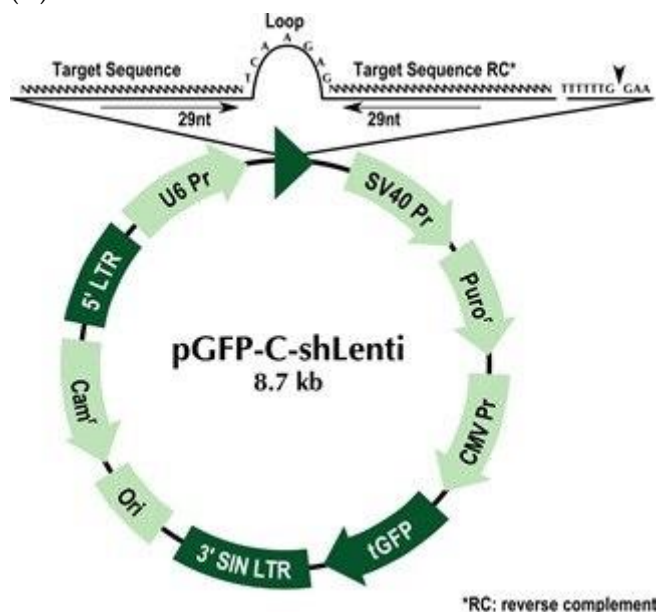
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Figure S1: OGT 3'UTR vector. (A) Vector map for the Genecopoeia vector containing the 3'UTR of OGT. (B) The sequence of the 3'UTR of OGT. The entire sequence of the OGT 3'UTR was inserted into the vector. Four separate vectors were utilized containing unique 3' UTRs: wild type, mutation targeting region 513, mutation targeting region 907, and mutation targeting region 1220.

(A)



(B)

TL302811VB – CTGACCACATGATTAAGCCTGTTGAAGTC (utilized in cell line 786-O)

TL302811VD – TCCTGATGCTTATTGTAAGTGGCTCATT (utilized in cell line HTB-46)

TR30021V Lenti shRNA scramble control particles – GCACTACCAGAGCTAACTCAGATAGTACT

Figure S2: shRNA OGT vector. (A) Map for the Origene Lenti Cloning Vector (pGFP-C-shLenti Vector) with shRNA against OGT. (B) The shRNA sequences utilized in this study.

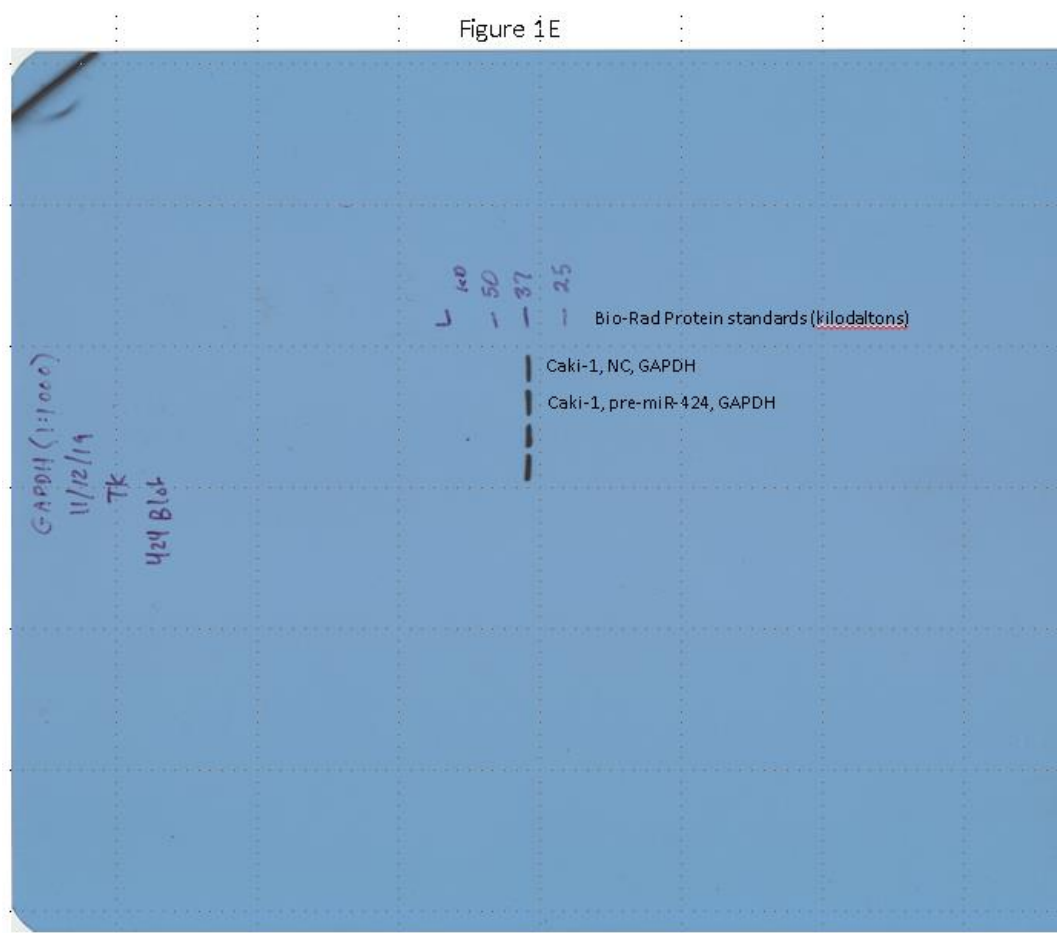


Figure S3.: Original representative blot for the GAPDH protein expression of cell line Caki-1 transfected with pre-miR-424-5p after 48 h

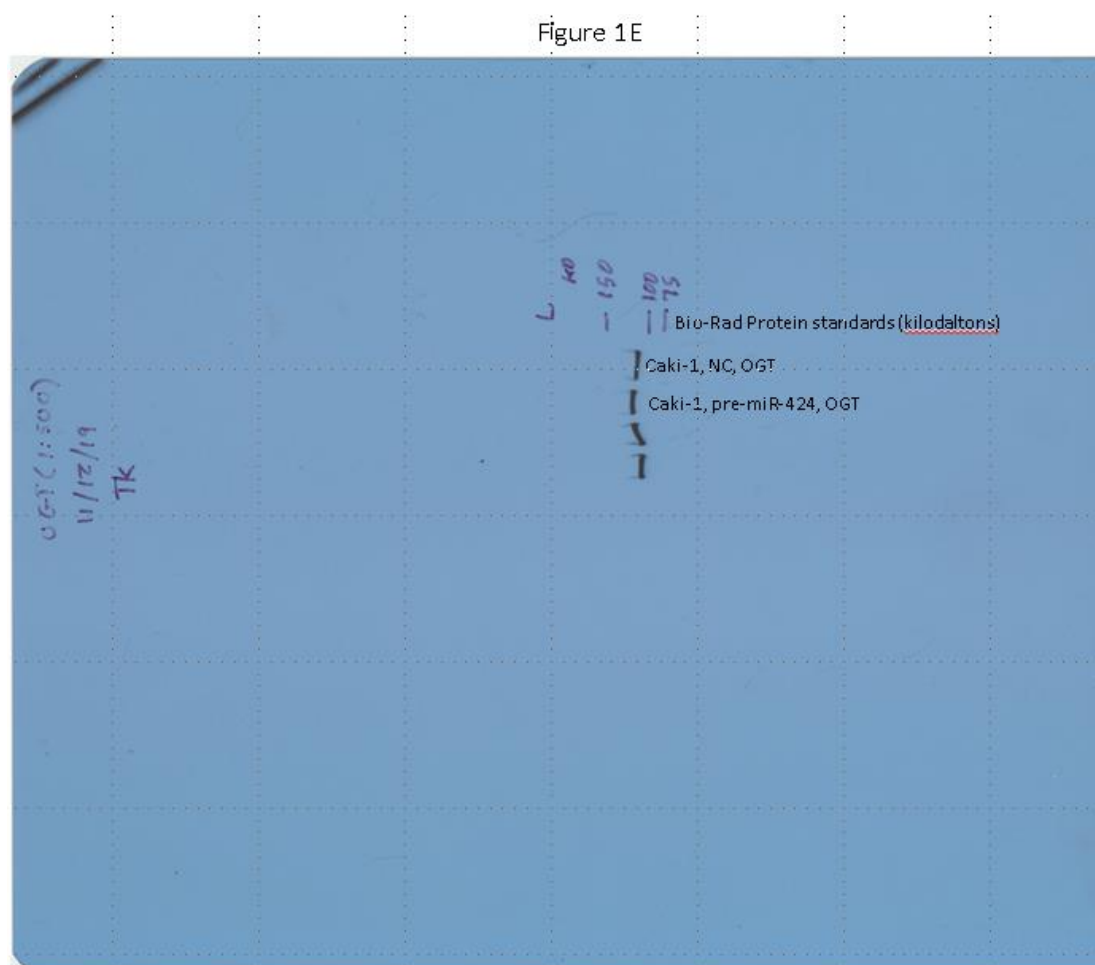


Figure S4.: Original representative blot for the OGT protein expression of cell line Caki-1 transfected with pre-miR-424-5p after 48 h

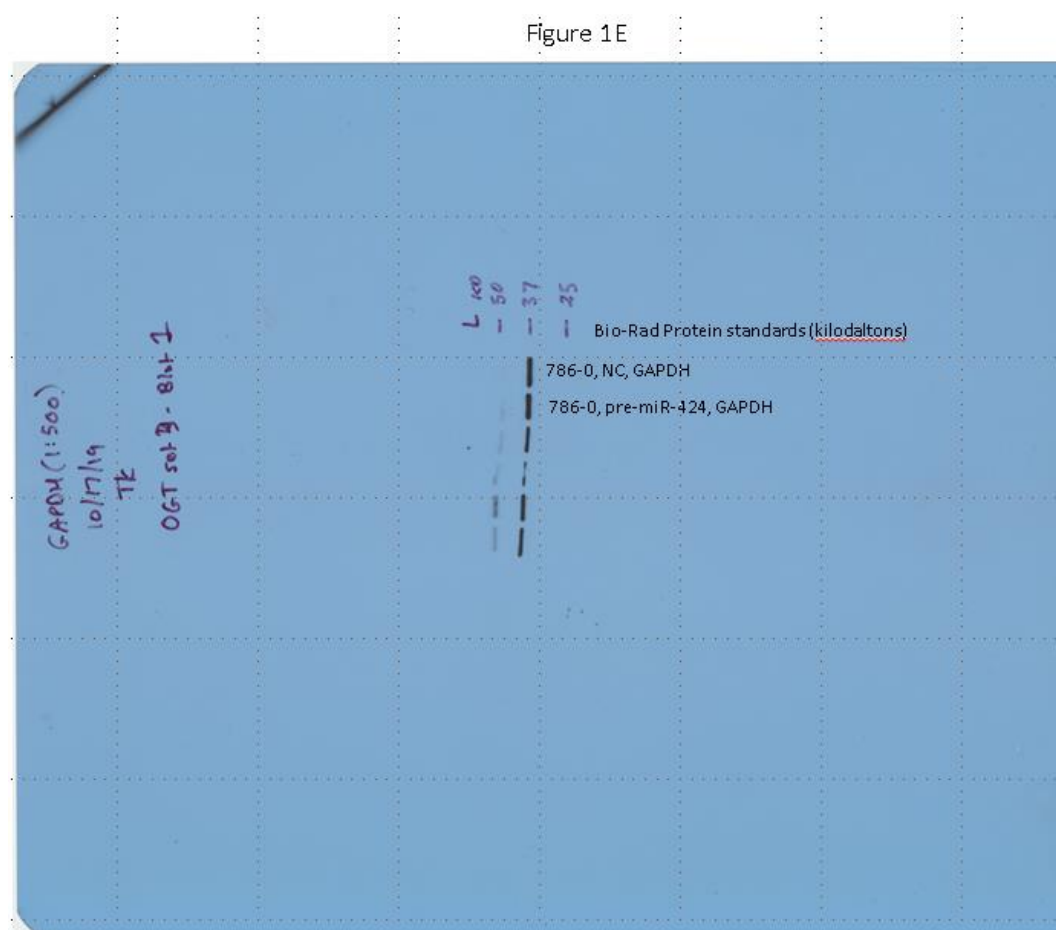


Figure S5.: Original representative blot for the GAPDH protein expression of cell line 786-O transfected with pre-miR-424-5p after 48 h

Figure 1E

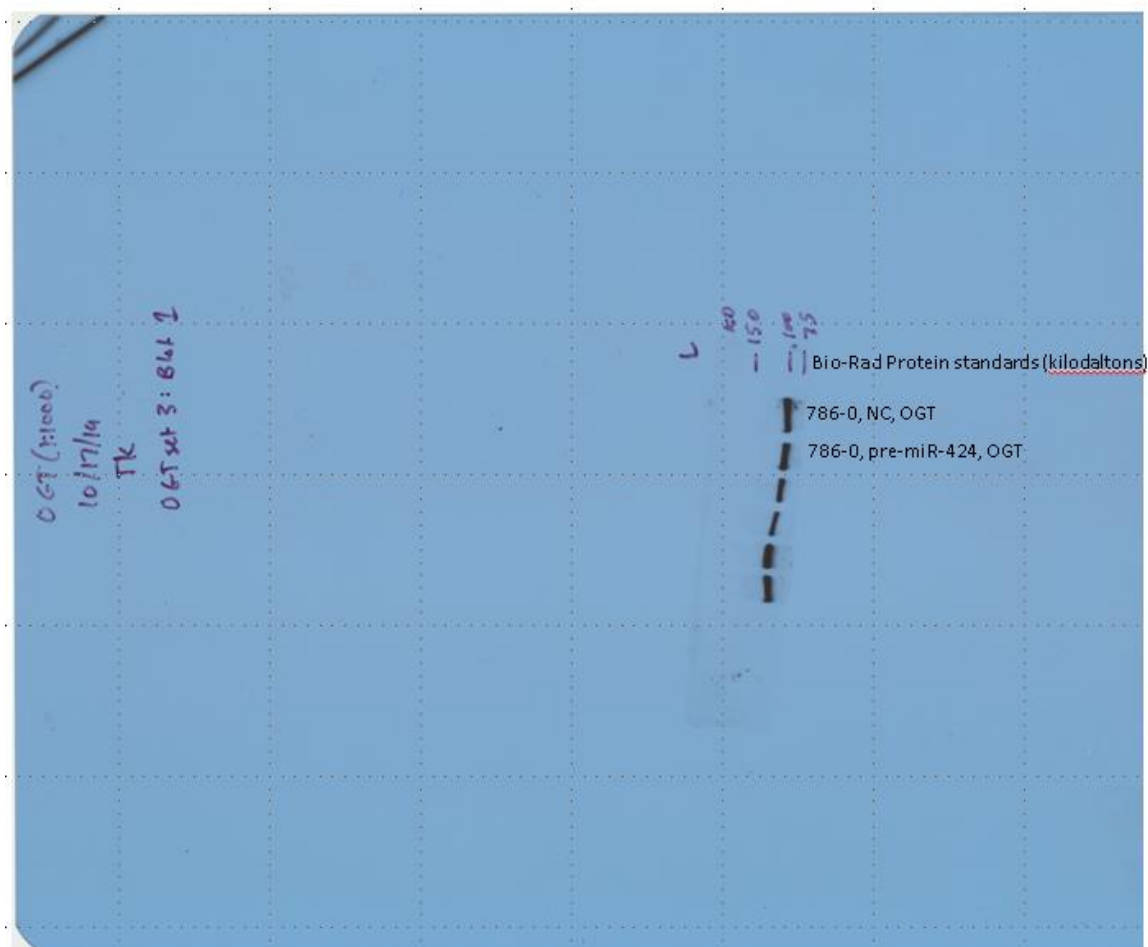


Figure S6.: Original representative blot for the OGT protein expression of cell line 786-O transfected with pre-miR-424-5p after 48

Figure 2E

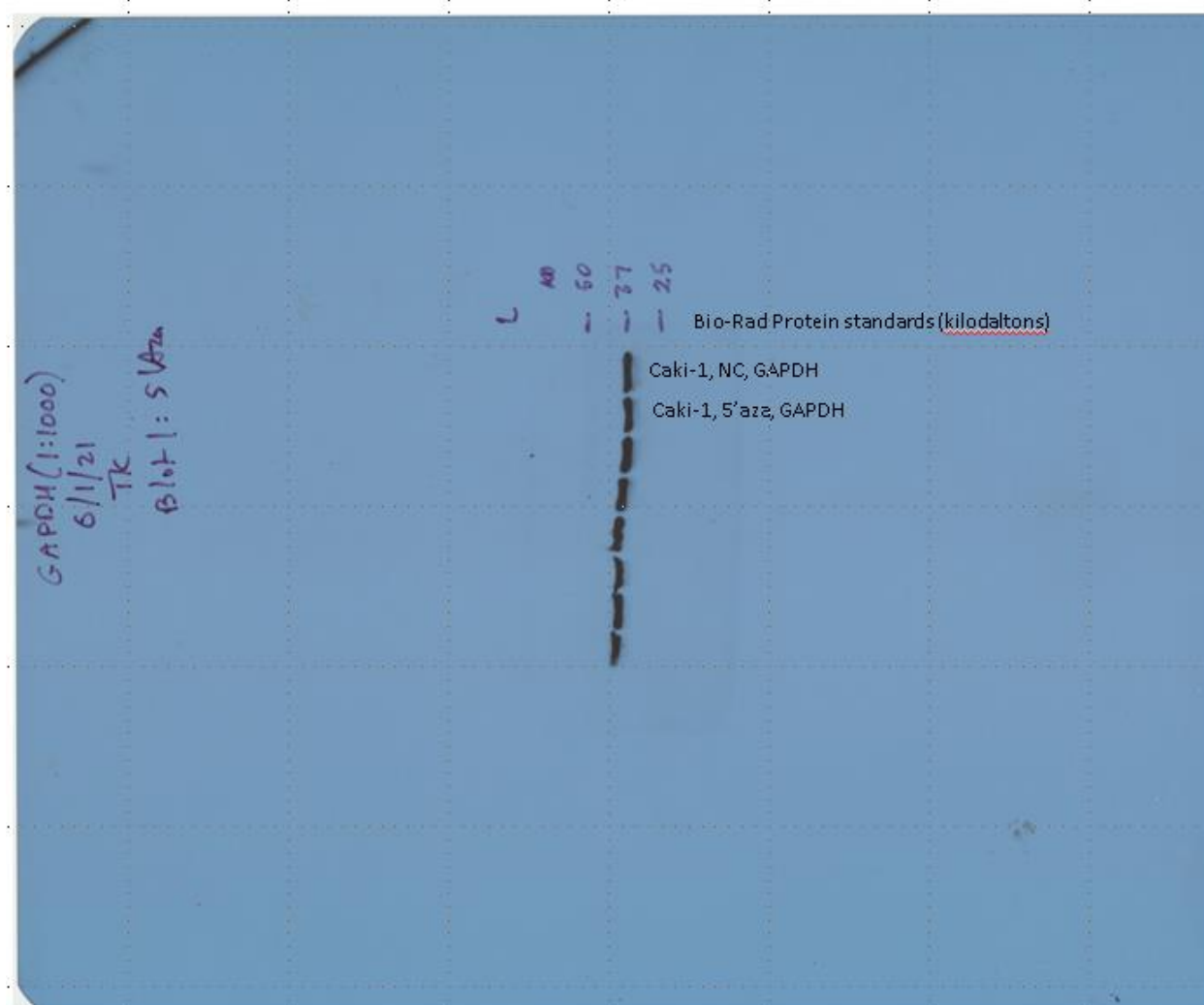


Figure S7.: Original representative blot for the GAPDH protein expression of the cell line Caki-1 treated with 5'aza after 48 h

Figure 2E

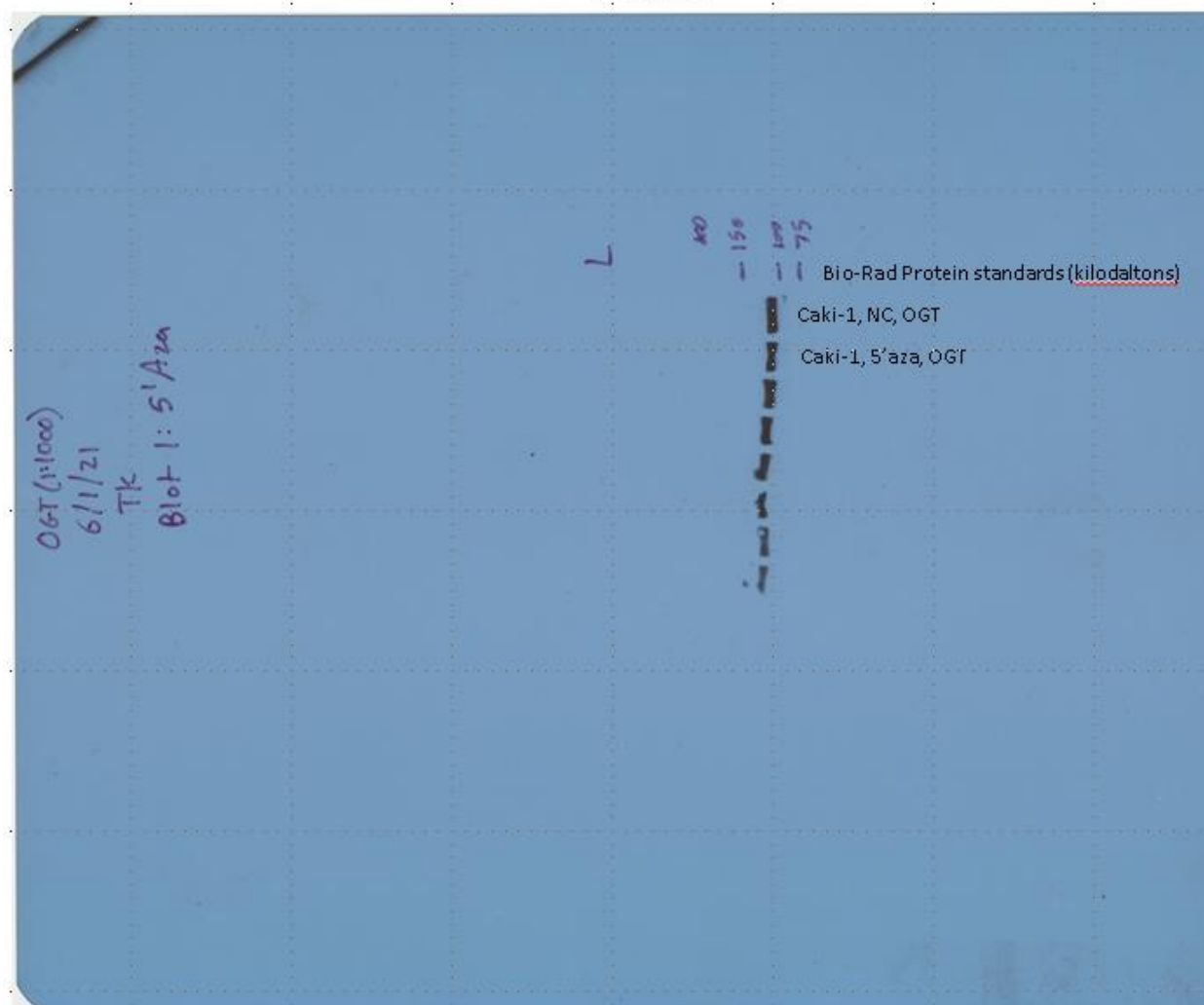


Figure S8.: Original representative blot for the OGT protein expression of the cell line Caki-1 treated with 5'aza after 48 h

Figure 2E

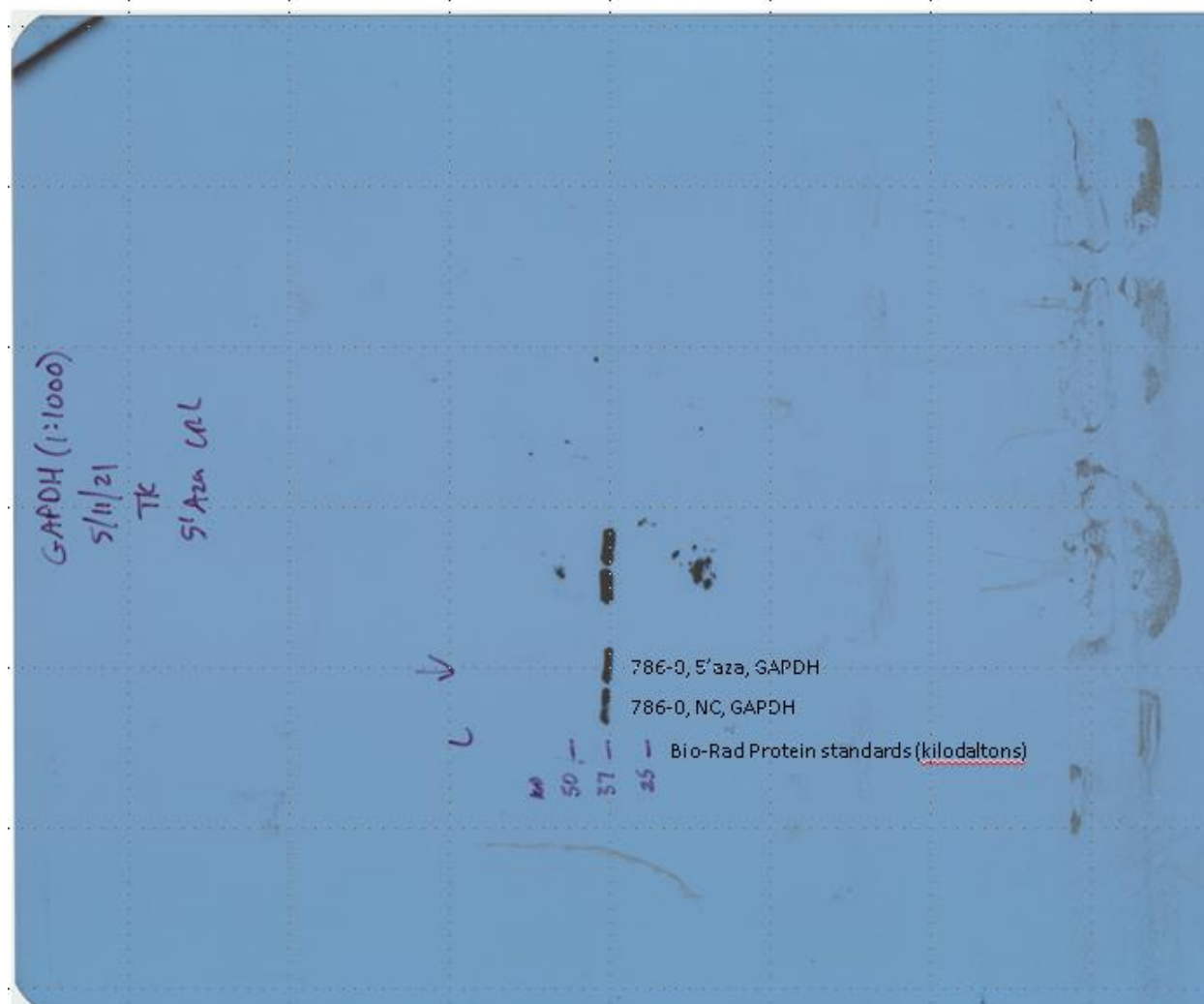


Figure S9.: Original representative blot for the GAPDH protein expression of the cell line 786-O treated with 5'aza after 48h

Figure 2E

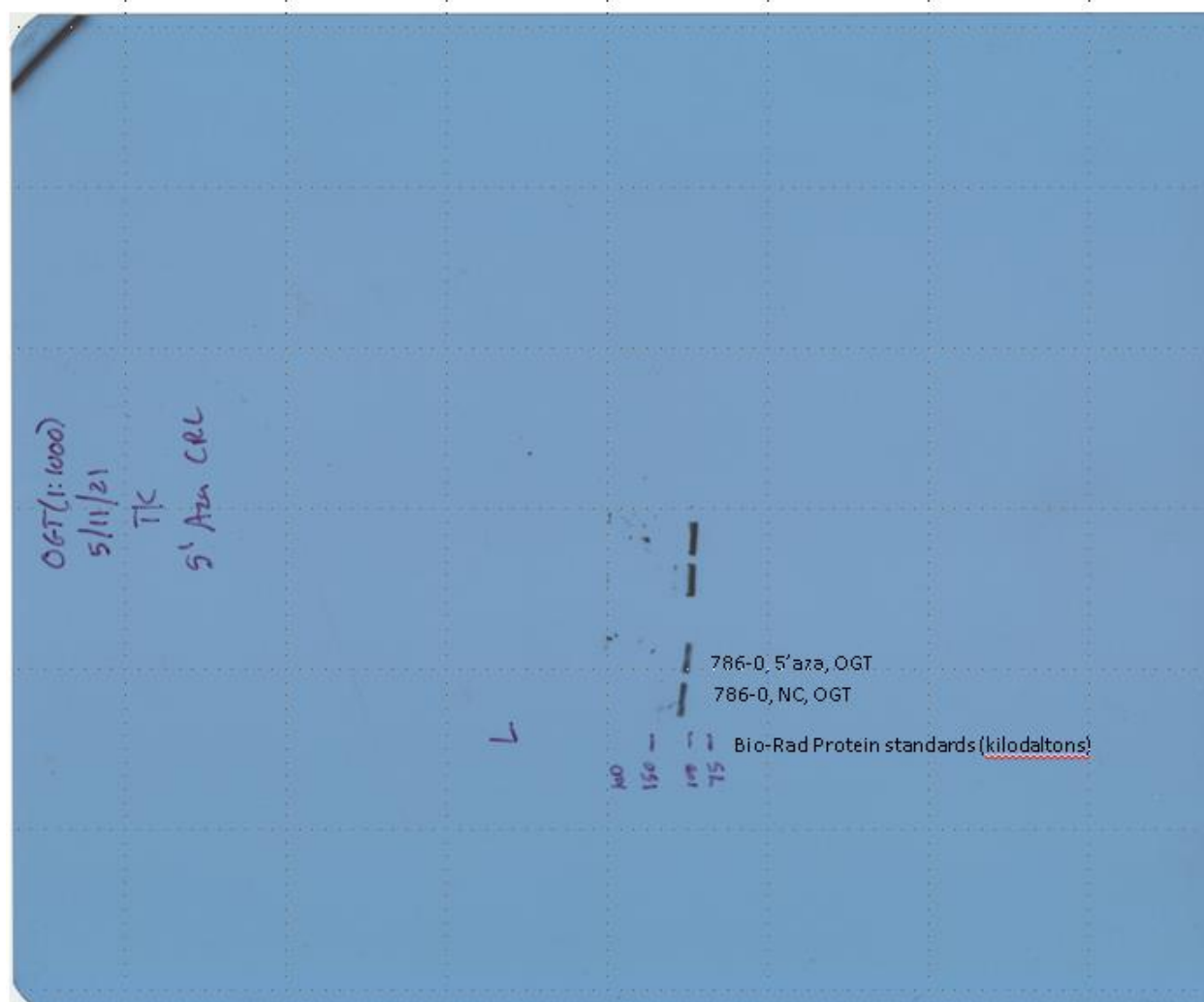


Figure S10.: Original representative blot for the OGT protein expression of the cell line 786-O treated with 5'aza after 48h

Figure 3A

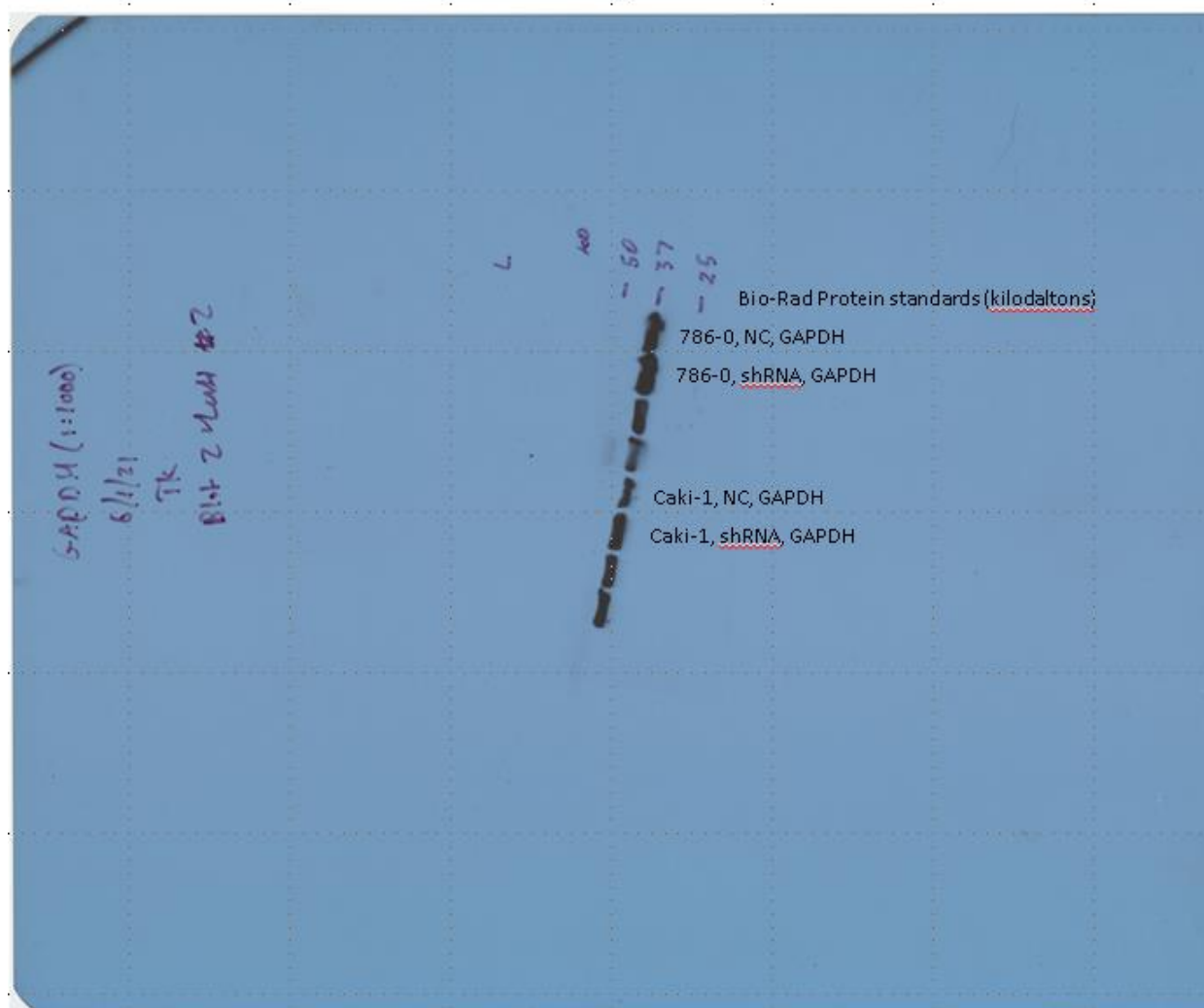


Figure S11.: Original representative blot for the GAPDH protein expression of the cell lines 786-O and Caki-1 treated with OGT shRNA

Figure 3A

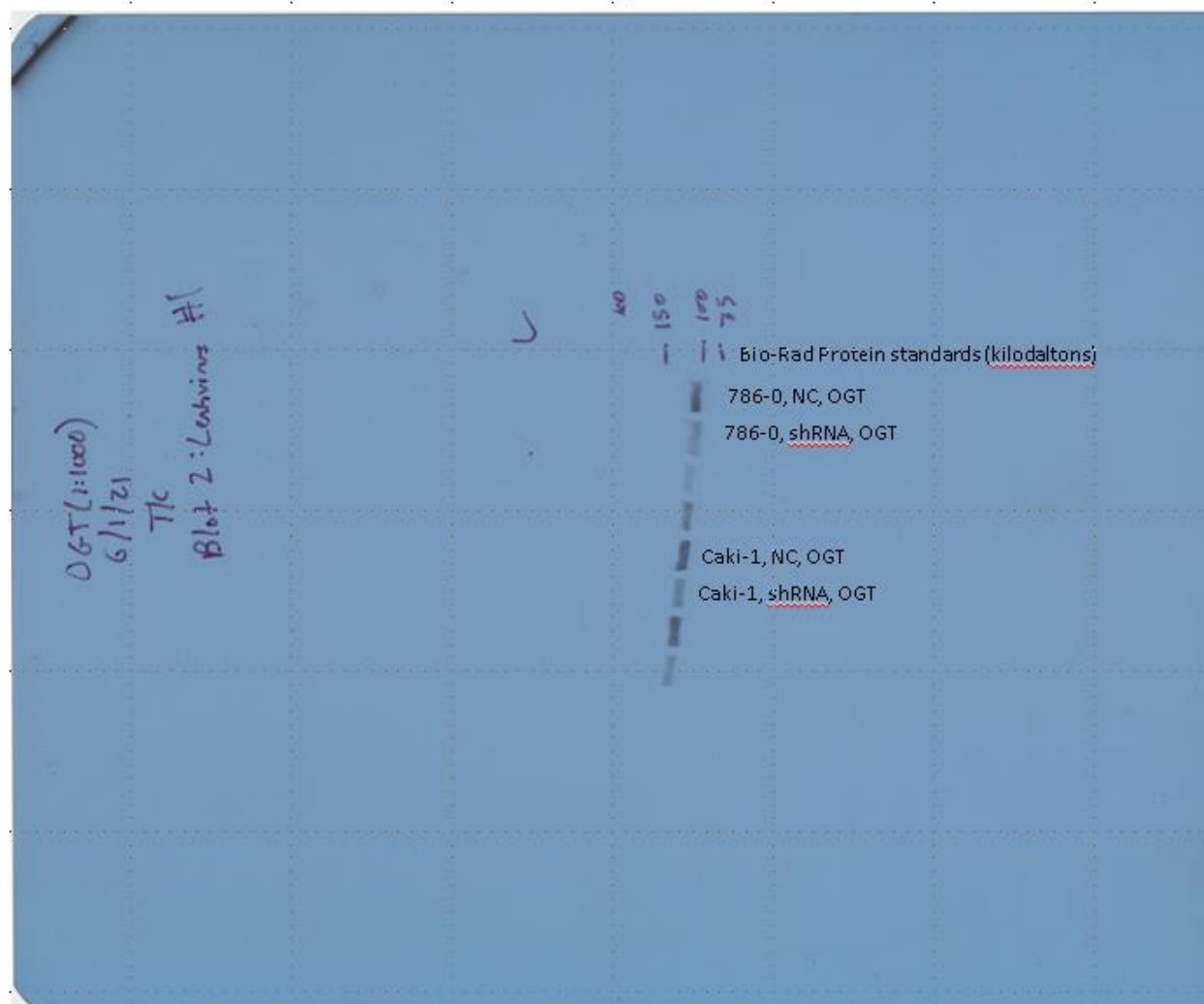


Figure S12.: Original representative blot for the OGT protein expression of the cell lines 786-O and Caki-1 treated with OGT shRNA