

# Intronic miR-744 Inhibits Glioblastoma Migration by Functionally Antagonizing Its Host Gene MAP2K4

Max Hübner, Christian Ludwig Hinske, David Effinger, Tingting Wu, Niklas Thon, Friedrich-Wilhelm Kreth and Simone Kreth

Table S1. Primer sequences for qRT-PCR.

| Target Name | Primer Sequence   | UPL Probe Number |
|-------------|---|------------------|
| TBP         | forward: 5'-GAACATCATGGATCAGAACAACA-3'<br>reverse: 5'-ATAGGGATTCCGGGAGTCAT-3'     | 87               |
| SDHA        | forward: 5'-GAGGCAGGGTTTAATACAGCA-3'<br>reverse: 5'-CCAGTTGTCCTCCTCCATGT-3'       | 132              |
| TGFB1       | forward: 5'-ACTACTACGCCAAGGAGGTCA-3'<br>reverse: 5'-TGCTTGAACCTTGTCATAGATTTTCG-3' | 33               |
| MAP2K4      | forward: 5'-GGCCAAAGTATAAAGAGCTTCTGA-3'<br>reverse: 5'-CAGCGATATCAATCGACATACAT-3' | 31               |
| DVL2        | forward: 5'-GAGGAGGACACCATGAGC-3'<br>reverse: 5'-AAGGATGCGTCCTCTCC-3'             | 38               |

Table S2. Primer sequences for molecular cloning.

| Gene    | Primer Sequence  |
|---------|--|
| TGFB1   | forward: 5'-GGTCCCGCCCCGCCCCGCCCC-3'<br>reverse: 5'-CCTCTCTCCATCTTTAATGGGG-3'          |
| DVL2    | forward: 5'-CAGTGGCAGTGAGTCTGAGC-3'<br>reverse: 5'-CAGCTACATGGCCCAAATCT-3'             |
| miR-744 | forward: 5'-AGATCTCTCCTTGAGGGTGTCTGTG-3'<br>reverse: 5'-CTGCAG CAGCATAAGCTTGCCAGGTA-3' |

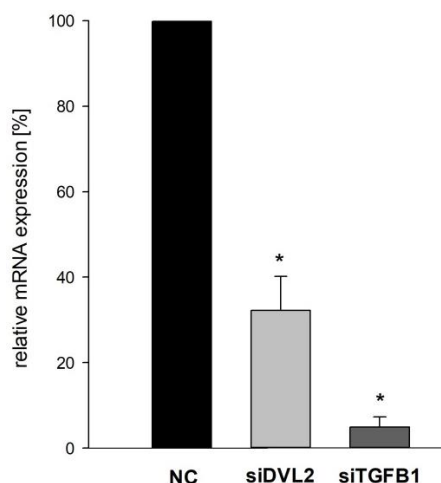


Figure S1. Knock-down efficiency after transient transfection of U87 GBM cells with DVL2 or TGFB1 siRNA, as analyzed by qRT-PCR (n = 3, \* p < 0.05).

