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PII: S0378-1119(17)31109-5
DOI: https://doi.org/10.1016/j.gene.2017.12.049
Reference: GENE 42435

To appear in: *Gene*

Received date: 20 October 2016
Revised date: 15 December 2017
Accepted date: 22 December 2017

Please cite this article as: Min-Da Liu, Hong Wu, Song Wang, Pai Pang, Shan Jin, Chang-Fu Sun, Fa-Yu Liu , MiR-1275 promotes cell migration, invasion and proliferation in squamous cell carcinoma of head and neck via up-regulating IGF-1R and CCR7. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Gene(2017), https://doi.org/10.1016/j.gene.2017.12.049

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Abstract

Purpose: miRNAs can play vital role in migration, invasion and proliferation in Squamous cell carcinoma of head and neck (SCCHN). In our study, we attempted to validate the expression and function of miR-1275 in SCCHN, and we also identified the mechanism by which miR-1275 affects migration, invasion and proliferation of SCCHN.

Methods:Real-time polymerase chain reaction (RT-PCR) was employed to evaluate the expression of miR-1275 in both SCCHN tissues and cell lines. The role of miR-1275 in SCCHN cells was verified by cell function experiments upon transfection with miR-1275 mimics and inhibitor. Western blot analysis was