

Vestigial like family member 4

Vestigial like family member 4 is a [protein](#) that in humans is encoded by the VGLL4 gene.

A study indicates that Vestigial like family member 4 [VGLL4](#) is a key player in the mediation of [NOTCH1](#)-dependent HIF1 α -regulated erythropoiesis and can be sensitively regulated by [oxygen](#) concentrations. On the other hand, VGLL4 is a pivotal regulator of heme biosynthesis and erythroid terminal differentiation, which collectively improve oxygen metabolism ¹⁾.

¹⁾

Wang Y, Liu X, Xie B, Yuan H, Zhang Y, Zhu J. The NOTCH1-dependent HIF1 α /VGLL4/IRF2BP2 oxygen sensing pathway triggers erythropoiesis terminal differentiation. Redox Biol. 2019 Sep 2;28:101313. doi: 10.1016/j.redox.2019.101313. [Epub ahead of print] PubMed PMID: 31539803.

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