



PTD-DBM

PTD-DBM is an engineered peptide that helps stop hair loss by preventing the mechanism of CXXC5, a protein associated with hair loss. When CXXC5 binds with the Dishevelled protein, it can cause hair loss by preventing follicle development and hair regrowth. Preventing the interaction of these two proteins (which is the main mechanism of PTD-DBM) helps stimulate hair regrowth and hair neogenesis. By disrupting the interaction between CXXC5 and Dishevelled, PTD-DBM works directly on the WNT/beta-catenin pathway responsible for key cellular functions such as proliferation and stem cell renewal.

- This peptide prevents hair loss and promotes the growth of new follicles.
- It helps to treat androgenetic alopecia (the top and front of the scalp)
- It also assists in wound-induced hair follicle neogenesis (new growth)

PTD-DBM is most effective when applied topically directly on the scalp to help induce hair regrowth as well as hair neogenesis. Combined treatment of PTD-DBM with valproic acid, an activator of the WNT/beta-catenin signaling pathway, will also help to further boost hair regrowth and prevent hair loss.

PTD-DBM benefits include:

- Prevention of pattern baldness - the most common type of hair loss in both men and women
- Regeneration of damaged skin tissues, especially in human balding scalps
- Accelerated hair regrowth
- New follicle development in areas of baldness
- Prevention and correction of hair loss
- Acceleration of wound healing

