

**Docket #:** S06-058

# **Engineered EGF polypeptides for improved epidermal and epithelial wound healing**

## **Applications**

- Treatment of chronic wounds
- Cosmetic Application

## **Advantages**

- EGF mutants have about 30 times more receptor-binding affinity than natural EGF

## **Publications**

- US patent 8,247,531: [Mutant epidermal growth factor polypeptides, nucleic acids, and uses therefor](#)
- Cochran JR, Kim YS, Lippow SM, Rao B, Wittrup KD. [Improved mutants from directed evolution are biased to orthologous substitutions](#). Protein Engineering, Design & Selection. 2006 Jun;19(6):245-53.

## **Patents**

- Published Application: [WO2007109673](#)
- Published Application: [20080249008](#)
- Issued: [8,247,531 \(USA\)](#)

## **Innovators**

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