



**GHK-Cu**, the human copper-binding Collagen and Aesthetic peptide, is a small naturally occurring tri-peptide copper ion binding complex that has a high affinity for copper ions, which evidence suggests are critical to normal body function. GHK-Cu is present in human plasma, liver lining, stomach lining, saliva, and urine and can also be released from tissues (lung connective tissue, boney tissue, etc.) in case of an injury. GHK-Cu has multiple biological actions and has established itself as a powerful protective and regenerative ingredient.

GHK-Cu promotes the activation of wound healing and potently protects and regenerates tissue (lung connective tissue, boney tissue etc.) after injury by attracting immune cells and exhibiting antioxidant and anti-inflammatory effects

GHK-Cu improves skin and hair regeneration by stimulating and promoting blood vessel/nerve outgrowth and increasing hair growth/thickness and enlarging hair follicle size respectively.

GHK-Cu activates cell cleansing as well as stimulates and promotes DNA repair, blood vessel and nerve outgrowth. It also protects skin cells from UV radiation.

GHK-Cu stimulates and increases collagen, elastin, and glycosaminoglycan synthesis in skin fibroblasts as well as supports the function of dermal fibroblasts. In other words, GHK-Cu tightens loose skin, improves skin firmness/elasticity/density/thickness/clarity and reverses thinning of aged skin while repairing protective skin barrier proteins, reducing fine lines/depth of wrinkles, improving the structure of aged skin, reducing photodamage, reducing mottled hyperpigmentation/skin spots/skin lesions and improving overall skin appearance.

