

## 32-7769: Recombinant Human Elafin/Trappin-2 (C-6His)

**Gene :** P13  
**Gene ID :** 5266  
**Uniprot ID :** P19957

### Description

Source: Human Cells.  
MW :11kD.

Recombinant Human Elafin is produced by our Mammalian expression system and the target gene encoding Ala23-Gln117 is expressed with a 6His tag at the C-terminus. Elafin is a secreted protein. Elafin consists of two domains: the transglutaminase substrate domain (cementoin moiety) and the elastase inhibitor domain. The transglutaminase substrate domain serves as an anchor to localize Elafin covalently to specific sites on extracellular matrix proteins. It is shown that Elafin can be used as a biomarker for graft versus host disease of the skin. Elafin is expressed in the skin during wound healing through activation of the epidermal growth factor receptor. Elafin may prevent elastase-mediated tissue proteolysis.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** AVTGVPVKGQDTVKGRVPFNGQDPVKGQVSVKGDVKVKAQEPVKGVPSTKPGSCPIILIRCAMLNPPNRCLKD  
TDCPGIKKCCGSCGMACFVPQVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.