

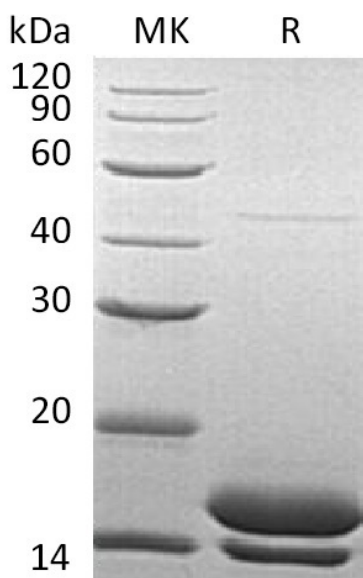
Product Name: Recombinant Human Elafin (C-6His)
Catalog #: PHH0569



Summary

Name	Elafin/Trappin-2
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P19957
Host	Human Cells
Species	Human
Predicted Molecular Mass	11 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



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Alternative Names

Elafin; Elastase-Specific Inhibitor; ESI; Peptidase Inhibitor 3; PI-3; Protease inhibitor WAP3; Skin-Derived Antileukoproteinase; SKALP; WAP Four-Disulfide Core Domain Protein 14; PI3; WAP3; WFDC14

Background

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.

Note

For Research Use Only , Not for Diagnostic Use.