

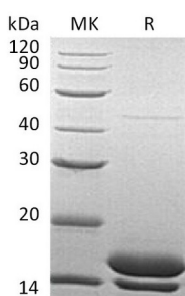
Product Name: Recombinant Human Elafin (C-6His)
Catalog #: PHH0569



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



Background

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

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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.