

Recombinant Human PI3/Elafin Protein (His Tag)

Catalog Number: PKSH032375

Note: Centrifuge before opening to ensure complete recovery of vial contents.

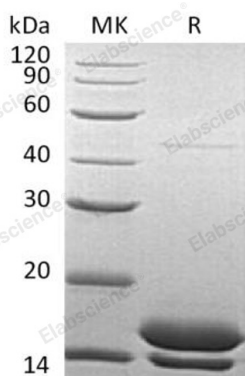
Description

Species	Human
Source	HEK293 Cells-derived Human PI3;Elafin protein Ala23-Gln117, with an C-terminal His
Calculated MW	11.0 kDa
Observed MW	13-18 kDa
Accession	P19957
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/ gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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