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Datasheet for ABIN7318425

PI3 Protein (His tag)



Overview

Quantity:	50 μg
Target:	PI3
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PI3 protein is labelled with His tag.
Product Details	
Purpose:	Recombinant Human PI3/Elafin Protein (His Tag)
Sequence:	Ala23-Gln117
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Target Details	
Target:	PI3
Alternative Name:	PI3/Elafin (PI3 Products)
Background:	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

Target Details

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.

Synonym: 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

Molecular Weight:

11.0 kDa

UniProt:

P19957

Application Details

Restrictions:

For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 7.5.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.