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Datasheet for ABIN1097697

PI3 Protein (AA 23-117) (His tag)

Overview

Quantity:	50 µg
Target:	PI3
Protein Characteristics:	AA 23-117
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PI3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Elafin/Trappin-2 (C-6His)
Sequence:	AVTGVPVKGQ DTVKGRVPFN GQDPVKGQVS VKGQDKVKAQ EPVKGPVSTK PGSCPIILIR CAMLNPPNRC LKDTDCPGIK KCCEGSCGMA CFVPQVDHHH HHH
Characteristics:	Recombinant Human Elafin is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Ala23-Gln117) of Human PI3 fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	PI3
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Target Details

Alternative Name:	Trappin-2 (PI3 Products)
Sub Type:	Fusionprotein
Background:	<p>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.</p> <p>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</p>
Molecular Weight:	11 kDa
UniProt:	P19957

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 7.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months