

Recombinant human Trappin-2/Elafin protein

Catalog Number: ATGP3115

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

23-117aa

UniProt No.

P19957

NCBI Accession No.

NP_002629

Alternative Names

Elafin, ESI, SKALP, WAP3, WFDC14

PRODUCT SPECIFICATION

Molecular Weight

10.7 kDa (101aa) confirmed by MALDI-TOF

Concentration

0.2mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) 10% glycerol

Purity

> 85% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

PI3, also known as elafin or peptidase inhibitor 3, is neutrophil and pancreatic elastase-specific inhibitor of skin. It may prevent elastase-mediated tissue proteolysis. Recombinant human PI3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

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Amino acid Sequence

AVTGVPVKGQ DTVKGRVPFN GQDPVKGQVS VKGQDKVKAQ EPVKGPVSTK PGSCPIILIR CAMLNPPNRC LKDTDCPGIK
KCCGEGSCGMA CFVPQHSHHHH H

General References

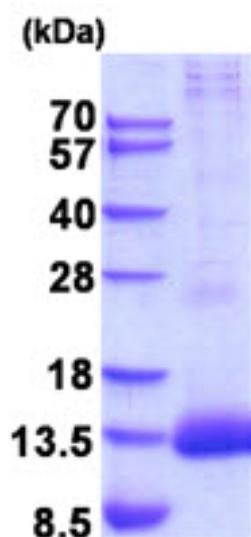
Saheki T, et al (1992) Biochem Biophys Res Commun. 185(1):240-5.

Molhuizen HO, et al (1993) J Biol Chem. 268(16):12028-32.

Wiedow O, et al (1990) J Biol Chem. 265(25):14791-5.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)