
Product Data Sheet

Product Name: PI3 Human
 Cat. No.: GP24182
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Peptidase Inhibitor 3 Skin-Derived; Skin-Derived Antileukoproteinase; Protease Inhibitor 3 Skin-Derived (SKALP); WAP Four-Disulfide Core Domain Protein 14; WAP Four-Disulfide Core Domain 14; Elastase-Specific Inhibitor; Protease Inhibitor WAP3; ESI; trappin-2; cementoin; WFDC14; WAP3; elafin; pre-elafin; SKALP; Peptidase Inhibitor 3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSVTVGVPV KGQDTVKGRV PFNGQDPVKG QVSVKGGQDKV KAEQPVKGPV STKPGSCPII LIRCAMLNPP NRCLKDTPDCP GIKKCCEGSC GMACFVPQ		
Formulation	The PI3 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.		

Introduction

PI3 is an elastase-specific protease inhibitor, which contains a WAP-type four-disulfide core (WFDC) domain, and is thus a member of the WFDC domain family. Most WFDC gene members are localized to chromosome 20q12-q13 in two clusters: centromeric and telomeric. PI3 belongs to the centromeric cluster.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks.

Background

PI3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 118 amino acids (23-117) and having a molecular mass of 12.0kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

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