
Product Data Sheet

Product Name: ASPRV1 Human
 Cat. No.: GP21423
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Retroviral-like aspartic protease 1; Skin-specific retroviral-like aspartic protease; SASPase; Skin aspartic protease; TPA-inducible aspartic proteinase-like protein; TAPS; ASPRV1; SASP; MUNO.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSSMGKGY LKGKIGKVPV RFLVDSGAQV SVVHPNLWEE VTDGDLDTLQ PFENVVKVAN GAEMKILGVW DTAVSLGKLLK LKAQFLVANA SAEELIGTD VLQDHNAILD FEHRTCTLKG KFRLLPVGG SLEDEFDLE.		
Formulation	The ASPRV1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

Aspartic Peptidase, Retroviral-Like 1 (ASPRV1) is a protein which contains one peptidase A2 domain. ASPRV1 undergoes autocleavage which is essential for activation of the protein. ASPRV1 is expressed mostly in the granular layer of the epidermis and inner root sheath of hair follicles and localized to membrane region. In the psoriatic skin, ASPRV1 is expressed throughout the stratum corneum. In the ulcerated skin, ASPRV1 is expressed in the stratum granulosum of intact epidermis; however it is virtually nonexistent from ulcerated regions. In addition, ASPRV1 is expressed in differentiated areas of squamous cell carcinomas but not in the undifferentiated tumors.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

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

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ASPRV1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 159 amino acids (191-326) and having a molecular mass of 17.2kDa. ASPRV1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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