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Certificate of Analysis and Data Sheet Recombinant Human Involucrin

Catalog No.
228-10969

Source
Escherichia Coli.

Synonyms

Involucrin, IVL.

Introduction

Involucrin is a soluble cytoplasmic protein precursor of the epidermal cornified envelope that becomes cross-linked by transglutaminase during envelope assembly. Involucrin is expressed in a range of stratified squamous epithelia, including the cornea which lacks a distinct cornified layer. The protein is a useful marker of terminal differentiation. It is tightly linked to the onset of differentiation and first expressed in the immediate suprabasal layers of the epidermis.

Involucrin is mapped to 1q21 chromosome, among calpactin I light chain, trichohyalin, profillaggrin, loricrin, and calcyclin.

Description

Involucrin Human Recombinant (aa 420-578) expressed in E.coli, shows a 41 kDa band on SDS-PAGE (Including GST tag). The Involucrin is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered clear solution.

Formulation

Involucrin at 100µg/ml in 50mM Tris-HCl, pH7.5, 10mM L-glutathione (reduced).

Stability

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.

Applications

- ELISA
- Inhibition Assays
- Western Blotting

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**