

## Recombinant Human IVL Protein

Cat. No. IVL-11H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IVL was produced in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Involucrin, a component of the keratinocyte crosslinked envelope, is found in the cytoplasm and crosslinked to membrane proteins by transglutaminase. This gene is mapped to 1q21, among calpactin I light chain, trichohyalin, profillaggrin, loricrin, and calcyclin.
<b>Form</b>	Recombinant human involucrin is lyophilized from 50 mM Tris-HCl pH 8.
<b>Molecular Mass</b>	68 kDa
<b>Purity</b>	> 90% [SDS-PAGE and Coomassie staining]
<b>Applications</b>	Recombinant human involucrin may be used as transglutaminase substrate.
<b>Storage</b>	Storage is possible at $\leq -20$ centigrade. Avoid freeze-thaw cycles. Delivery at ambient temperature is possible
<b>Concentration</b>	0.47 mg/ml
<b>Reconstitution</b>	Add the desired volume H <sub>2</sub> O to the vial of lyophilized powder. Rotate vial gently until

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solid dissolves. After reconstitution the solution should be cooled on ice for short term storage.

## GENE INFORMATION

**Gene Name** IVL involucrin [ Homo sapiens ]

**Official Symbol** IVL

**Synonyms** IVL; involucrin;

**Gene ID** 3713

**mRNA Refseq** NM\_005547

**Protein Refseq** NP\_005538

**MIM** 147360

**UniProt ID** P07476

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