



# Recombinant Human Involucrin (IVL)

<b>Product Code</b>	CSB-MP011922HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P07476
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MSQQHTLPVT LSPALSQELL KTVPPPVNTH QEQMKTPTPL PPPCQKVPVE LPVEVPSKQE EKHMTAVKGL PEQECEQQQK EPQEQELQQQ HWEQHEEYQK AENPEQQLKQ EKTQRDQQLN KQLEEEKKLL DQQLDQELVK RDEQLGMKKE QLLELPEQQE GHLKHLEQQE GQLKHPEQQE GQLELPEQQE GQLELPEQQE GQLELPEQQE GQLELPEQQE GQLELPEQQE GQLELPQQQE GQLELSEQQE GQLELSEQQE GQLKHLEHQE GQLEVPEEQM GQLKYLEQQE GQLKHLDQQE KQPELPEQQM GQLKHLEQQE GQPKHLEQQE GQLEQLEEQE GQLKHLEQQE GQLEHLEHQE GQLGLPEQQV LQLKQLEKQQ GQPKHLEEEE GQLKHLVQQE GQLKHLVQQE GQLEQQERQV EHLEQQVGQL KHLEEQEGQL KHLEQQQGQL EVPEQQVGQP KNLEQEEKQL ELPEQQEGQV KHLEKQEAQL ELPEQQVGQP KHLEQQEKHL EHPEQQDGQL KHLEQQEGQL KDLEQQKGQL EQPVFAPAG QVQDIQPALP TKGEVLLPVE HQQQKQEVQW PPKHK
<b>Source</b>	Mammalian cell
<b>Target Names</b>	IVL
<b>Protein Names</b>	Recommended name: Involucrin
<b>Expression Region</b>	1-585
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</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, profilaggrin, loricrin, and calcyclin.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ . The shelf life of lyophilized form is 12 months at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ .