

## Recombinant Human IVL protein, GST-tagged

**Cat. No.** IVL-6854H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IVL protein(234-361 aa), fused with N-terminal GST tag, was expressed in E.coli.                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 234-361 aa                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH). |
| <b>AASequence</b>       | EVPSKQEGQLELSEQQEGQLELSEQQEGQLKHLEHQEGQLEVPEEQMGQLKYLEQ<br>QEGQLKHLDQQEKQPELPEQQMGQLKHLEQQEGQPKHLEQQEGQLEQLEEQEGQ<br>LKHLEQQEGQLEHLEHQEG                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.                                                                                                                                                                                        |

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**Reconstitution**

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

**GENE INFORMATION**

|                  |                                 |
|------------------|---------------------------------|
| <b>Gene Name</b> | IVL involucrin [ Homo sapiens ] |
|------------------|---------------------------------|

|                        |     |
|------------------------|-----|
| <b>Official Symbol</b> | IVL |
|------------------------|-----|

|                 |                  |
|-----------------|------------------|
| <b>Synonyms</b> | IVL; involucrin; |
|-----------------|------------------|

|                |      |
|----------------|------|
| <b>Gene ID</b> | 3713 |
|----------------|------|

|                    |           |
|--------------------|-----------|
| <b>mRNA Refseq</b> | NM_005547 |
|--------------------|-----------|

|                       |           |
|-----------------------|-----------|
| <b>Protein Refseq</b> | NP_005538 |
|-----------------------|-----------|

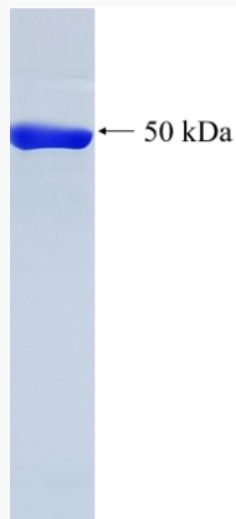
|            |        |
|------------|--------|
| <b>MIM</b> | 147360 |
|------------|--------|

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|-------------------|--------|
| <b>UniProt ID</b> | P07476 |
|-------------------|--------|

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**SDS-PAGE**

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