

## Recombinant Human KRT18 protein, GST-tagged

**Cat. No.** KRT18-487H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human KRT18 protein(NP_000215)(127-430 aa), fused to GST tag, was expressed in E. coli.                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 127-430 aa                                                                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.                                                                                               |
| <b>AA Sequence</b>      | SHYFKIIEDLRAQIFANTVDNARIVLQIDNARLAADDFRVKYETELAMRQSVENDIHGL<br>RKVIDDTNITRLQLETEIEALKEELLFMKKNHHEEEVKGLQAQIASSGLTVEVDAPKSQ<br>DLAKIMADIRAQYDELARKNREELDKYWSQQIEESTTVTTQSAEVGAAETTLTELRL<br>RTVQSLEIDLDSMRNLKASLENSLREVEARYALQMEQLNGILLHLESELAQTRAEGQ<br>RQAQYEYALLNIKVKLEAEIATYRRLLEDGEDFNLGDALDSSNSMQTIQKTTTTRIVD<br>GKVVSETNDTKVLRH |
| <b>Purity</b>           | 90%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                              |
| <b>Storage</b>          | Aliquot and store at -20°C to -80°C for up to 6 months. Avoid repeat freeze-thaw cycles.                                                                                                                                                                                                                                              |

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**Concentration** The purified protein was Lyophilized from sterile PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.

**Reconstitution** Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

**Gene Name** KRT18 keratin 18 [ Homo sapiens ]

**Official Symbol** KRT18

**Synonyms** KRT18; keratin 18; keratin, type I cytoskeletal 18; CK-18; keratin-18; cytokeratin 18; cytokeratin-18; cell proliferation-inducing protein 46; cell proliferation-inducing gene 46 protein; K18; CYK18;

**Gene ID** 3875

**mRNA Refseq** NM\_000224

**Protein Refseq** NP\_000215

**MIM** 148070

**UniProt ID** P05783

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