

# Recombinant Human KRT6C protein, His & T7-tagged

**Cat. No.** KRT6C-8214H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human KRT6C aa. (Glu163~Gly482 (Accession # P48668)) fused with N-terminal His & T7 tag was produced in E. coli cells.                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Glu163~Gly482                                                                                                                                                                                                                               |
| <b>Description</b>      | Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. The type II keratins are clustered in a region of chromosome 12q13. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 40.8kDa.                                                                                                                                                                                                          |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                               |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                        |
| <b>Characteristic</b>   | The isoelectric point is 5.5.                                                                                                                                                                                                               |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                                                                                                                                    |

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Buffer</b> | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b> | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## GENE INFORMATION

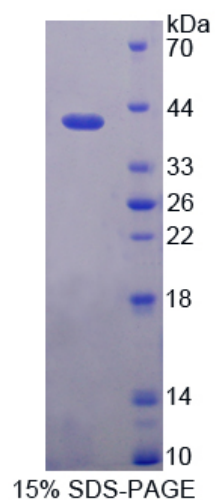
|                        |                                                                                                                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | KRT6C keratin 6C [ Homo sapiens (human) ]                                                                                                                                                       |
| <b>Official Symbol</b> | KRT6C                                                                                                                                                                                           |
| <b>Synonyms</b>        | KRT6C; keratin 6C; K6E; KRT6E; PPKNEFD; keratin, type II cytoskeletal 6C; CK-6C; CK-6E; K6C; cytokeratin-6C; cytokeratin-6E; keratin 6C, type II; keratin 6E; keratin K6h; type-II keratin Kb12 |
| <b>Gene ID</b>         | 286887                                                                                                                                                                                          |
| <b>mRNA Refseq</b>     | NM_173086.4                                                                                                                                                                                     |
| <b>Protein Refseq</b>  | NP_775109.2                                                                                                                                                                                     |
| <b>UniProt ID</b>      | P48668                                                                                                                                                                                          |

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SDS-PAGE



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