

# Recombinant Full Length Human KRT7 Protein, GST-tagged

Cat. No. KRT7-6070HF Lot. No. (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Human KRT7 full-length ORF ( AAH02700.1, 1 a.a. - 469 a.a.) recombinant protein with GST-tag at N-terminal.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | In Vitro Cell Free System   |
| <b>ProteinLength</b>    | 469 amino acids   |
| <b>Description</b>      | The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described. [provided by RefSeq] |
| <b>Molecular Mass</b>   | 77.8 kDa  |
| <b>AA Sequence</b>      | MSIHFSPPVFTSRSAAFSGRGAQVRLSSARPGGLGSSSLYGLGASRPRVAVRSAYG<br>GPVGAGIREVTINQSL LAPLRDADPSLQQRV RQEESEQIKTLNKNKFASFIDKVRFLEQ<br>QNKLLLETKWTL LQE QKSAKSSRLPDIFE AQIAGLRGQLEALQVDGGRLEAELRSMQ<br>DVVEDFKNKYEDEINRR TAAENEFVVLK KDVDAAYMSKVELEAKVDALNDEINFLRT<br>LNETELTELQSQISDTSVVL SMDNSRSLDL DGIIAEVKAQYEEEMAKCSRAEAEAWYQ  |

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TKFETLQAQAGKHGDDLNRNTRNEISEMNRAIQRLQAEIDNIKNQRAKLEAAIAEAEER  
 GELALKDARAKQEELEAALQRAKQDMARQLREYQELMSVKLALDIEIATYRKLEGE  
 ESRLAGDGVGAVNISVMNSTGGSSSGGGIGLTLGGTMGSNALSFSSSAGPGLLKAY  
 SIRTASASRRSARD

|                       |   |
|-----------------------|---|
| <b>Applications</b>   | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.  |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.  |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.  |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | KRT7 keratin 7 [ Homo sapiens ]   |
| <b>Official Symbol</b> | KRT7  |
| <b>Synonyms</b>        | KRT7; keratin 7; keratin, type II cytoskeletal 7; CK7; cytokeratin 7; K2C7; K7; keratin; 55K type II cytoskeletal; type II cytoskeletal 7; sarcolectin; SCL; CK-7; keratin-7; cytokeratin-7; type-II keratin Kb7; type II mesothelial keratin K7; keratin, 55K type II cytoskeletal; keratin, simple epithelial type I, K7; MGC3625; MGC129731; |
| <b>Gene ID</b>         | 3855  |
| <b>mRNA Refseq</b>     | NM_005556   |

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**Protein Refseq** NP\_005547

**MIM** 148059

**UniProt ID** P08729

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