

# Recombinant Full Length Human KRT8 Protein, GST-tagged

**Cat. No.** KRT8-6096HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human KRT8 full-length ORF ( NP_002264.1, 1 a.a. - 483 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>    | 483 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis. [provided by RefSeq] |
| <b>Molecular Mass</b>   | 80.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MSIRVTQKSYKVSTSGPRAFSSRSYTSGPSRISSSSFSRVGSSNFRGGLGGGYGG<br>ASGMGGITAVTVNQSLSPVLVLEVDPNIQAVRTQEKEQIKTLNNKFASFIDKVRFLEQ<br>QNKMLETKWSLLQQQKTARSNMDNMFESYINNLRRLQLETLGQEKLEAELGNMQ<br>GLVEDFKNKYEDEINKRTEMENEFVLIKKDVEAYMNKVELESRLGLTDEINFLRQL<br>YEEEIRELQSQISDTSVVLSDNSRSLDMSIIAEVKAQYEDIANRSRAEAESMYQIK<br>YEELQSLAGKHGDDLRRRTKTEISEMNRNISRLLQAEIEGLKGQRASLEAAIADAEQRG                                                                                                                                                                                                                   |

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ELAIKDANAKLSELEAALQRAKQDMARQLREYQELMNVKLALDIEIATYRKLEGEES  
RLESGMQNMSIHTKTTSGYAGGLSSAYGGLTSPGLSYSLGSSFGSGAGSSSFRTS  
SSRAVVVKIETRDGKLVSESSDVLPK

**Applications**

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

KRT8 keratin 8 [ Homo sapiens ]

**Official Symbol**

KRT8

**Synonyms**

KRT8; keratin 8; keratin, type II cytoskeletal 8; CARD2; CK8; CYK8; K2C8; K8; KO;  
cytokeratin 8; cytokeratin-8; type-II keratin Kb8; CK-8;

**Gene ID**

3856

**mRNA Refseq**

NM\_001256282

**Protein Refseq**

NP\_001243211

**MIM**

148060

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UniProt ID

P05787

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