

## Recombinant Human KRT4 protein, GST-tagged

Cat. No. KRT4-30H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human KRT4(1 a.a. - 534 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	1-534 a.a.
<b>Description</b>	<p>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 differentiated layers of the mucosal and esophageal epithelia with family member KRT13. Mutations in these genes have been associated with White Sponge Nevus, characterized by oral, esophageal, and anal leukoplakia. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.</p>
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	84.48 kDa
<b>AA Sequence</b>	<p>MIARQQCVRGGPRGFSCGSAIVGGGKRGAFSSVSMSSGGAGRCSSGGFGSRSLYN            LRGNKSISMSVAGSRQGACFG GAGGFGTGGFGAGGFGAGFGTGGFGGGFGGSF            SGKGGPGFPVCPAGGIQEVNTINQSLTPLHVEIDPEIQKVRTE EREQIKLLNNKFASFI</p>

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DKVQFLEQQNKVLETKWNLQQTSTSSKNLEPLFETYLSVLRKQLDTLGNDKGR  
 LQS ELKTMQDSVEDFKTKYEEEINKRTAAENDFVVLKKDVAAYLNKVELEAKVDSL  
 NDEINFLKVLDAELSQQMTH VSDTSVVLSMDNNRNLDLDSIIAEVRAQYEEIAQRS  
 KAEAEALYQTKVQQLQISVDQHGDNLKNTKSEIAELNRM IQRLRAEIEENIKKQCQL  
 QVSVADAEQRGENALKDAHSKRVELEAALQQAKEELARMLREYQELMSVKLALDIEI  
 ATYRKLLLEGEEYRMSGECQSAVSISVVSGSTSTGGISGGLGSGSGFGLSSGFGSGS  
 GSGFGFGGSVSGSSSSKII STTTLNKRR

**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.

## GENE INFORMATION

**Gene Name**

KRT4 keratin 4 [ Homo sapiens ]

**Official Symbol**

KRT4

**Synonyms**

KRT4; keratin 4; CYK4; keratin, type II cytoskeletal 4; CK4; cytokeratin 4; K4; keratin;  
 type II cytoskeletal 4; type-II keratin Kb4; CK-4; FLJ31692;

**Gene ID**

3851

**mRNA Refseq**

NM\_002272

**Protein Refseq**

NP\_002263

**MIM**

123940

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<b>UniProt ID</b>	P19013
<b>Chromosome Location</b>	12q13.13
<b>Function</b>	structural molecule activity;

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