

# Recombinant Full Length Human KRT5 Protein, GST-tagged

**Cat. No.** KRT5-737HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human KRT5 full-length ORF ( AAH24292, 1 a.a. - 590 a.a.) protein was expressed in wheat germ with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	590 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 basal layer of the epidermis with family member KRT14. Mutations in these genes have been associated with a complex of diseases termed epidermolysis bullosa simplex. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	90.64 kDa
<b>AA Sequence</b>	MSRQSSVSFR SGGSRSFSTA SAITPSVSRT SFTSVSRSGG GGGGGFGRVS LAGACGVGGY GSRSLYNLGG SKRISISTSG GSFRNRFGAG AGGGYGFGGG AGSGFGFGGG AGGGFGLGGG AGFGGGFGGP GFPVCPGGI QEVTVNQSL TPLNLQIDPS IQRVRTEERE QIKTLNNKFA SFIDKVRFL EQQNKVLDTKW

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TLLQEQGTKT VRQNLEPLFE QYINNLRRQL DSIVGERGRL DSELRNMQDL  
 VEDFKNKYED EINKRTTAEN EFVMLKKDVD AAYMNKVELE AKVDALMDEI  
 NFMKMFDAE LSQMQTHVSD TSVVLSMDNN RNLDLDSIIA EVKAQYEEIA  
 NRSRTEAESW YQTKYEELQQ TAGRHGDDL R NTKHEISEMN RMIQRLRAEI  
 DNVKKQCANL QNAIADAEQR GELALKDARN KLAELEEALQ KAKQDMARLL  
 REYQELMNTK LALDVEIATY RKLLEGEPCR LSGEGVGPVN ISVVTGSVSS  
 GYGSGSGYGG GLGGGLGGGL GGGLAGGGSG SYSSSSSGGV GLSGGLSVGG  
 SGFSASSGRG LGVGFSGGG SSSSVKFVST TSSSRKSFKS

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

## GENE INFORMATION

**Gene Name** [KRT5 keratin 5 \[ Homo sapiens \]](#)

**Official Symbol** [KRT5](#)

**Synonyms** CK5,DDD,EBS2,K5,KRT5A

**Gene ID** [3852](#)

**mRNA Refseq** [NM\\_000424](#)

**Protein Refseq** [NP\\_000415](#)

**MIM** [131800](#)

**UniProt ID** [P13647](#)

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