

Recombinant Full Length Human KRT5 Protein, GST-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	590 amino acids
Description	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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	90.64 kDa
AA Sequence	MSRQSSVSFR SGGSRSFSTA SAITPSVSRT SFTSVSRSGG GGGGGFGRVS LAGACGVGGY GSRSLYNLGG SKRISISTSG GSFRNRFAG AGGGYGFGGG AGSGFGFGGG AGGGFGLGGG AGFGGGFGGP GFPVCPGGI QEVTVNQSL TPLNLQIDPS IQRV RTEERE QIKTLNNKFA SFIDKVRFL E QQNKVLDTKW

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TLLQEQGTKT VRQNLEPLFE QYINNLRRQL DSIVGERGRL DSELNMQDL
 VEDFKNKYED EINKRTTAEN EFVMLKKDVD AAYMNKVELE AKVDALMDEI
 NFMKMFFDAE LSQMQTHVSD TSVVLSMDNN RNLDLDSIIA EVKAQYEEIA
 NRSRTEAESW YQTKYEELQQ TAGRHGDDL R NTKHEISEMN RMIQRLRAEI
 DNVKKQCANL QNAIADAEQR GELALKDARN KLAELEEALQ KAKQDMARLL
 REYQELMNTK LALDVEIATY RKLLEGECCR LSGEGVGPVN ISVVTGSVSS
 GYGSGSGYGG GLGGGLGGGL GGGLAGGGSG SYSSSSSGGV GLSGGLSVGG
 SGFSASSGRG LGVGFGSGGG 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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