Recombinant Human KRT5 protein, GST-tagged

Cat. No. KRT5-05H **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	Wheat Germ
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	MSRQSSVSFRSGGSRSFSTASAITPSVSRTSFTSVSRSGGGGGGGFGRVSLAGAC GVGGYGSRSLYNLGGSKRISISTSGGSFRNRFGAGAGGGYGFGGGAGSGFGFGG GAGGGFGLGGGAGFGGGFGGPGFPVCPPGGIQEVTVNQSLLTPLNLQIDPSIQRVR TEEREQIKTLNNKFASFIDKVRFLEQQNKVLDTKWTLLQEQGTKTVRQNLEPLFEQYI NNLRRQLDSIVGERGRLDSELRNMQDLVEDFKNKYEDEINKRTTAENEFVMLKKDV DAAYMNKVELEAKVDALMDEINFMKMFFDAELSQMQTHVSDTSVVLSMDNNRNLDL

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	DSIIAEVKAQYEEIANRSRTEAESWYQTKYEELQQTAGRHGDDLRNTKHEISEMNRM IQRLRAEIDNVKKQCANLQNAIADAEQRGELALKDARNKLAELEEALQKAKQDMARL LREYQELMNTKLALDVEIATYRKLLEGEECRLSGEGVGPVNISVVTGSVSSGYGSGS GYGGGLGGGLGGGLGGGLAGGGSGSYYSSSSGGVGLSGGLSVGGSGFSASSGR GLGVGFGSGGGSSSSVKFVSTTSSSRKSFKS
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	AAH24292
MIM	131800
UniProt ID	P13647

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