

Full-Length

KRT5 (Human) Recombinant Protein (P01)

Catalog # H00003852-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human KRT5 full-length ORF (AAH24292, 1 a.a. - 590 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSRQSSVSFRSGGSRSFSTASAITPSVSRTSFTSVSRSGGGGGGGFGRVSLAGACGVGGYGSR
SLYNLGGSKRISISTSGGSFRNRFAGAGGGYGFGGGAGSGFGFGGGAGGGFGLGGGAGFGGG
FGGPGFPVCPGGIQEVTVNQSLLTPLNLQIDPSIQRV RTEEREQIKTLNNKFASFIDKVRFLQQN
KVLDTKWTL LQE QGKT VQRNLEPLFEQYINNLRQLDSIVGERGRLDSELNMQDLVEDFKNKY
EDEINKRTTAENE FV MLKKDVDAAYMNKVELEAKVDALMDEINFMKMFFDAELSQM QTHVSDTS
VVL SMDNNRNLDLDSIAEVKAQYEEIANRSRTEAESWYQTKYEELQQTAGRHGDDL RNTKHEISE
MNRMIQRLRAEIDNVKKQCANLQNAIADAEQRGELALKDARNKLAELEEALQKAKQDMARLLREY
QELMNTKLALDVEIATYRKLLGEECRLSGEGVGPVNISVVTGSVSSGYGSGSGYGGGLGGGLG
GGLGGGLAGGGSGSYSSSSGGVGLSGGLSVGGSGFSASSGRGLGVGFSGGGSSSSVKFVS
TTSSSRKSFKS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

90.64

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — KRT5

Entrez GeneID	3852
GeneBank Accession#	BC024292
Protein Accession#	AAH24292
Gene Name	KRT5
Gene Alias	CK5, DDD, EBS2, K5, KRT5A
Gene Description	keratin 5
Omim ID	131800 131960 148040 179850
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	58 kda cytokeratin epidermolysis bullosa simplex 2 Dowling-Meara/Kobner/Weber-Cockayne types keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types) keratin, type II cytoskeletal 5

Disease

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- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Genetic Predisposition to Disease](#)
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