

# Cytokeratin5/6 recombinant protein

CatalogNo: YD3021

## Key Features

### Reactivity

- Human

## Storage

**Storage\*** -15°C to -25°C/1 year(Avoid freeze / thaw cycles)

**Formulation** Phosphate-buffered solution

## Recommended Dilution Ratios

## Basic Information

**Source** Mammalian cells

**Purification** Mammalian cells

**Purity** >90% as determined by SDS-PAGE

## Immunogen Information

**Sequence** Amino acid:1-167,with human FC tag.

## Target Information

**Gene name** KRT5/KRT6

<b>Protein Name</b>	Keratin, type II cytoskeletal 5 (58 kDa cytokeratin) (Cytokeratin-5) (CK-5) (Keratin-5) (K5) (Type-II keratin Kb5)(CK-6A)(CK-6B)(CK-6C)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">3852</a> ; <a href="#">3853</a> ; <a href="#">3854</a> ; <a href="#">286887</a> ;	<a href="#">P13647</a> ; <a href="#">P02538</a> ; <a href="#">P04259</a> ; <a href="#">P48668</a> ;
<b>Cellular Localization</b>	Cytoplasm .		
<b>Tissue specificity</b>	Expressed in corneal epithelium (at protein level) (PubMed:26758872). Expressed in keratinocytes (at protein level) (PubMed:20128788, PubMed:31302245);Expressed in the corneal epithelium (at protein level);Constitutively expressed in distinct types of epithelia such as those in oral mucosa, esophagus, papillae of tongue and hair follicle outer root sheath;Constitutively expressed in distinct types of epithelia such as those in oral mucosa, esophagus, papillae of tongue and hair follicle outer root sheath.		
<b>Function</b>	Required for the formation of keratin intermediate filaments in the basal epidermis and maintenance of the skin barrier in response to mechanical stress (By similarity). Regulates the recruitment of Langerhans cells to the epidermis, potentially by modulation of the abundance of macrophage chemotactic cytokines, macrophage inflammatory cytokines and CTNND1 localization in keratinocytes (By similarity);Epidermis-specific type I keratin involved in wound healing. Involved in the activation of follicular keratinocytes after wounding, while it does not play a major role in keratinocyte proliferation or migration. Participates in the regulation of epithelial migration by inhibiting the activity of SRC during wound repair.		

## | Validation Data

## | Contact information

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**Cytokeratin5/6 recombinant protein**

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