



# Recombinant Human Keratin, type II cytoskeletal 6A (KRT6A)

<b>Product Code</b>	CSB-YP012561HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P02538
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>ASTSTTIRS HSSRRGFSA NSARLPGVSR SGFSSVSVSR SRGSGGLGGA            CGGAGFGSRS LYGLGGSKRI SIGGGSCAIS GYGSRAGGS YFGGAGSGF            GFGGGAGIGF GLGGGAGLAG GFGGPGFPVC PPGGIQEVTV NQSLTPLNL            QIDPTIQRVR AEEREQIKTL NKNFASFIDK VRFLEQQNKV LETKWTLTQE            QGKTQRQNL EPLFEQYINN LRRQLDSIVG ERRLDSELR GMQDLVEDFK            NKYEDEINKR TAAENEFVTL KKDVDAAVMN KVELQAKADT LTDEINFLRA            LYDAELSQQM THISDTSVVL SMDNNRNLDL DSIIAEVKAQ YEEIAQRSRA            EAESWYQTKY EELQVTAGRH GDDLRLNTKQE IAEINRMIQR LRSEIDHVKK            QCANLQAAIA DAEQRGEMAL KDAKNKLEGL EDALQKAKQD LARLLKEYQE            LMNVKLALDV EIATYRKLE GEECRNNGEG VGQVNISVVQ STVSSGYGGA            SGVGSGLGLG GGSSYSYSGS LGVGGGFSSS SGRAIGGGLS SVGGGSSTIK            YTTTSSSSRK SYKH</p>
<b>Source</b>	Yeast
<b>Target Names</b>	KRT6A
<b>Protein Names</b>	Recommended name: Keratin, type II cytoskeletal 6A Alternative name(s): Cytokeratin-6A Short name= CK-6A Cytokeratin-6D Short name= CK-6D Keratin-6A Short name= K6A Type-II keratin Kb6 Allergen= Hom s 5
<b>Expression Region</b>	2-564
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	<p>This protein 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. As many as six of this type II cytokeratin (KRT6) have been identified; the multiplicity of the genes is attributed to successive gene duplication events. The genes are expressed with family members KRT16 and/or KRT17 in the filiform papillae of the tongue, the stratified epithelial lining of oral mucosa and esophagus, the outer root sheath of hair follicles, and the glandular epithelia. This KRT6 gene in particular encodes the most abundant isoform. Mutations in these genes have been associated with pachyonychia</p>



congenita. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.