

Recombinant Human KRT6A protein, GST-tagged

Cat. No. KRT6A-016H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KRT6A full-length ORF (AAH08807.1, 1 a.a. - 564 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. 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 congenita. In addition, peptides from the C-terminal region of the protein have antimicrobial activity against bacterial pathogens. 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	87.78 kDa

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AA Sequence

MASTSTTIRSHSSSRGFSANSARLPGVSRSGFSSVSVSRSGSGGLGGACGGAG
 FGSRSLYGLGGSKRISIGGGSCAISGGYGSRAGGSYGFGGAGSGFGFGGGAGIGF
 GLGGGAGLAGGFGGPGFPVCPGGIQEVTVNQSLLTPLNLQIDPTIQRVRAEEREQI
 KTLNNKFASFIDKVRFLQNKVLETKWTLQEQGKTQVRQNLPLFEQYINNLRQ
 LDSIVGERGRLDSELRGMQDLVEDFKNKYEDEINKRTAAENEFVTLKKDVEDAAYMN
 KVELQAKADTLTDEINFLRALYDAELSQMQTHISDTSVVLSDNNRNLDLDSIIAEVK
 AQYEEIAQRSRAEAESWYQTKYEELQVTAGRHGDDLNRNTKQEIAEINRMIQRLRSEI
 DHVKKQCANLQAAIADAEQRGEMALKDAKNKLEGLDALQAKQDLARLLKEYQEL
 MNVKLALDVEIATYRKLLLEGEECRLNGEGVGQVNISVVQSTVSSGYGGASGVGSGL
 GLGGGSSYSYGSGLGVGGGFSSSSGRAIGGGLSSVGGGSSTIKYTTTSSSSRKS
 YK
 H

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION
Gene Name

KRT6A keratin 6A [Homo sapiens]

Official Symbol

KRT6A

Synonyms

CK-6C; CK-6E; CK6A; CK6C; CK6D; K6A; K6C; K6D; KRT6C; KRT6D; PC3

Gene ID

3853

mRNA Refseq

NM_005554.3

Protein Refseq

AAH08807.1

MIM

148041

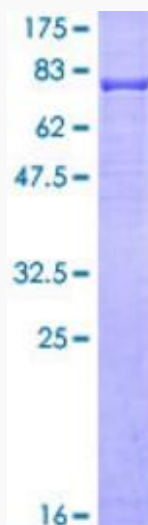
UniProt ID

P02538

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