

Recombinant Full Length Human KRT6A Protein, GST-tagged

Cat. No. KRT6A-738HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length 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	In Vitro Cell Free System
ProteinLength	564 amino acids
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.

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Molecular Mass	87.78 kDa
AA Sequence	MASTTTIRS HSSRRGFSA NSARLPVSR SGFSSVSVSR SRGSGGLGGA CGGAGFGSRS LYGLGGSKRI SIGGGSCAIS GGYGSRAGGS YGFGGAGSGF GFGGGAGIGF GLGGGAGLAG GFGGPGFPVC PPGGIQEVTV NQSLLTPLNL QIDPTIQRVR AEEREQIKTL NNKFASFIDK VRFLEQQNKV LETKWTLTQE QGKTQVRQNL EPLFEQYINN LRRQLDSIVG ERGRLDSELR GMQDLVEDFK NKYEDEINKR TAAENEFVTL KKDVDAAVMN KVELQAKADT LTDEINFLRA LYDAELSQQM THISDTSVVL SMDNNRNLDL DSIIAEVKAQ YEEIAQRSRA EAESWYQTKY EELQVTAGRH GDDLNRNTKQE IAEINRMIQR LRSEIDHVKK QCANLQAAIA DAEQRGEMAL KDAKNKLEGL EDALQKAKQD LARLLKEYQE LMNVKLALDV EIATYRKLE GEECRLNGEG VGQVNISVVQ STVSSGYGGA SGVGSGGLGLG GGSSYSYSGS LGVGGGFSSS SGRAIGGGLS SVGGGSSTIK YTTTSSSSRK SYKH
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	NP_005545

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MIM	148041
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UniProt ID	P02538
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