

Recombinant Full Length Human KRT6B Protein

Cat. No. KRT6B-268HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human KRT6B with N-terminal proprietary tag. Mol Wt 87.78 kDa inclusive of tag.
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. Mutations in these genes have been associated with pachyonychia congenita. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.
Form	Liquid
Molecular Mass	87.780kDa inclusive of tags
AA Sequence	MASTSTTIRSHSSSRGFSANSARLPGVSRSGFSSISVSR SRGSGGLGGACGGAG

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FGSRSLYGLGGSKRISIGGGSCAIS GGYGSRAGGSYGFGGAGSGFGFGGGAGIGF
 GLGGGAGLAG GFGGPGFPVCPGGIQQEVTVNQSLTPLNLQIDPAIQRVR AEERE
 QIKTLNNKFASFIDKVRFLQKQKVLDTKWTLLE QGKTKVRQNLPLFEQYINNLR
 RQLDNIVGERGRDLSELN NMQDLVEDLKNKYEDEINKRTAAENEFVTLKKDVDAAY
 MN KVELQAKADTLTDEINFLRALYDAELSQMQTHISDTSVVL SMDNNRNLDLDSIIA
 EVKAQYEEIAQRSRAEAESWYQTKY EELQITAGRHGDDLRLNTKQEIAEINRMIQRLR
 SEIDHVKK QCANLQAAIADAEQRGEMALKDAKNKLEGLDALQKAKQD LARLLKEY
 QELMNVKLALDVEIATYRKLEGECECRNGEG VGQVNISVVQSTVSSGYGGASGVG
 SGLGLGGGSSSYSGSG LGVGGGFSSSSGRATGGGLSSVGGGSSTIKYTTTSSSSR
 K SYKH

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name [KRT6B keratin 6B \[Homo sapiens \]](#)

Official Symbol [KRT6B](#)

Synonyms KRT6B; keratin 6B; keratin like 1 (a type II keratin sequence) , KRTL1; keratin, type II cytoskeletal 6B

Gene ID [3854](#)

mRNA Refseq [NM_005555](#)

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Protein Refseq	NP_005546
MIM	148042
UniProt ID	P04259

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