

Recombinant Human KRT6B

Cat. No. KRT6B-29910TH **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	Wheat Germ
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.
Molecular Weight	87.780kDa inclusive of tags
Tissue specificity	Constitutively expressed in distinct types of epithelia such as those in oral mucosa, esophagus, papillae of tongue and hair follicle outer root sheath.

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Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MASTSTTIRSHSSSRGFSANSARLPGVSRSGFSSISVSR SRGSGGLGGACGGAG FGSRSLYGLGGSKRISIGGGSCAIS GGYGSRAGGSYGFGGAGSGFGFGGGAGIGF GLGGGAGLAG GFGGPGFPVCPGGGIQEVTVNQSLTPLNLQIDPAIQRVR AEERE QIKTLNNKFASFIDKVRFLQEQNKVLDTKWTLLQE QGKTVRQNLEPLFEQYINNLR RQLDNIVGERGRDSELR NMQDLVEDLKNKYEDEINKRTAAENEFVTLKKDVDAAY MN KVELQAKADTLTDEINFLRALYDAELSQMQTHISDTSVVL SMDNNRNLDLDSIIA EVKAQYEEIAQRSRAEAESWYQTKY EELQITAGRHGDDL RNTKQEIAEINRMIQRLR SEIDHVKK QCANLQAAIADAEQRGEMALKDAKNKLEGLEDALQKAKQD LARLLKEY QELMNVKLALDVEIATYRKLLGEEECRLNGEG VGQVNISVVQSTVSSGYGGASGVG SGLGLGGSSYSYSGS LGVGGGFSSSSGRATGGGLSSVGGGSSTIKYTTTSSSSR K SYKH
Sequence Similarities	Belongs to the intermediate filament family.

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

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	cytoskeletal 6B;
Gene ID	3854
mRNA Refseq	NM_005555
Protein Refseq	NP_005546
MIM	148042
Uniprot ID	P04259
Chromosome Location	12q13.13
Function	structural constituent of cytoskeleton;