

Recombinant Full Length Human KRT6B Protein, GST-tagged

Cat. No. KRT6B-6067HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human KRT6B full-length ORF (AAH34535, 1 a.a. - 564 a.a.) recombinant protein 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. Mutations in these genes have been associated with pachyonychia congenita. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq]
Molecular Mass	87.78 kDa
AA Sequence	MASTSTTIRSHSSSRGFSANSARLPGVSRSGFSSISVSRSRGSGGLGGACGGAGFGSRSLYGLGGSKRISIGGGSCAISGGYGSRAGGSYGFGGAGSGFGFGGGAGIGFG

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LGGGAGLAGGFGGPGFPVCPGGIQEVTVNQSLTPLNLQIDPAIQRVRAEEREQIK
 TLNNKFASFIDKVRFLQEQNKVLDTKWTLLEQGTQTVRQNLPLFEQYINNLRRL
 DNIVGERGRLDSELRNMQDLVEDLKNKYEDEINKRTAAENEFVTLKKDVDAAYMNK
 VELQAKADTLTDEINFLRALYDAELSQMQTHISDTSVLSMDNNRNLDLDSIIAEVKA
 QYEEIAQRSRAEAESWYQTKYEELQITAGRHGDDLRLNTKQEIAEINRMIQRLRSEIDH
 VKKQCANLQAAIADAEQRGEMALKDAKNKLEGLEDALQKAKQDLARLLKEYQELMN
 VKLALDVEIATYRKLLGEGEELNNGEGVGQVNISVVQSTVSSGYGGASGVGSGGLGL
 GGGSSYSYGSGLGVGGGFSSSSGRATGGGLSSVGGGSSTIKYTTTSSSSRKSYPKH

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

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

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; keratin-6B; cytokeratin 6B; cytokeratin-6B; type-II keratin Kb10;
 keratin, epidermal, type II, K6B; keratin-like 1 (a type II keratin sequence); K6B; PC2;
 CK6B; CK-6B; KRTL1;

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Gene ID	3854
mRNA Refseq	NM_005555
Protein Refseq	NP_005546
MIM	148042
UniProt ID	P04259

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