

Recombinant Full Length Human KRT13 Protein, GST-tagged

Cat. No. KRT13-5923HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human KRT13 full-length ORF (AAH02661.3, 1 a.a. - 458 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	458 amino acids
Description	<p>The protein encoded by this gene is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This type I cytokeratin is paired with keratin 4 and expressed in the suprabasal layers of non-cornified stratified epithelia. Mutations in this gene and keratin 4 have been associated with the autosomal dominant disorder White Sponge Nevus. The type I cytokeratins are clustered in a region of chromosome 17q21.2. Alternative splicing of this gene results in multiple transcript variants; however, not all variants have been described. [provided by RefSeq]</p>
Molecular Mass	76 kDa
AA Sequence	MSLRLQSSSASYGGGFGGGSCQLGGGRGVSTCSTRFVSGGSAGGYGGGVSCGF GGGAGSGFGGGYGGGLGGGYGGGLGGGFGGGFAGGFVDFGACDGLLLTGNEKI TMQNLNDRLASYLEKVRAL EEANADLEVKIRDWHLKQSPASPERDYSPYYKTIEELR

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DKILTATIENNRVILEIDNARLAVDDFRLKYENELALRQSVEADINGLRRVLDELTSKT
 DLEMQIESLNEELAYMKKNHEEEMKEFSNQVVGQVNVEMDATPGIDLTRVLAEMRE
 QYEAMAERNRRDAEEWFHAKSAELNKEVSTNTAMIQTSKTEITELRRTLQGLEIELQ
 SQLSMKAGLENTVAETECRYALQLQQIQGLISSIEAQLSELRSEMECQNQEYKMLLDI
 KTRLEQEIATYRSLLLEGQDAKMIGFPSSAGSVSPRSTSVTTTSSASVTTTSSNASGRR
 TSDVRRP

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	KRT13 keratin 13 [Homo sapiens]
Official Symbol	KRT13
Synonyms	KRT13; keratin 13; keratin, type I cytoskeletal 13; CK13; cytokeratin 13; K13; keratin; type I cytoskeletal 13; MGC3781; MGC161462; CK-13; keratin-13; cytokeratin-13;
Gene ID	3860
mRNA Refseq	NM_002274

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Protein Refseq NP_002265

MIM 148065

UniProt ID P13646

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