

Recombinant Full Length Human KRT75 Protein, GST-tagged

Cat. No. KRT75-6088HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human KRT75 full-length ORF (AAI60175.1, 1 a.a. - 551 a.a.) recombinant protein with GST tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	551 amino acids
Description	This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. This gene is expressed in the companion layer, upper germinative matrix region of the hair follicle, and medulla of the hair shaft. The encoded protein plays an essential role in hair and nail formation. Variations in this gene have been associated with the hair disorders pseudofolliculitis barbae (PFB) and loose anagen hair syndrome (LAHS). [provided by RefSeq]
Molecular Mass	87.1 kDa
AA Sequence	MSRQSSITFQSGSRRGFSTTSITPAAGRSRFSSVSVARSAAGSGGLGRISSAGASF GSRSLYNLGGAKRVSINGCGSSCRSGFGGRASNRFGVNSGFGYGGGVGGGFSGP SFPVCPGGIQEVTVNQSLTPLHLQIDPTIQRVRAEEREQIKTLNKNKFASFIDKVRFL EQQNKVLETKWALLQEQGSRTVRQNLEPLFDSYTSSELRRQLSITTERGRLEAELR NMQDVVEDFKVRYEDEINKRTAAENEFVALKKDVAAYMNKVELEAKVKSLPEEINF IHSVFDAELSQLQTQVGDTSVVLSMDNNRNLDLDSIIAEVKAQYEDIANRSRAEAEES

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WYQTKYEELQVTAGRHGDDLRLNTKQEISEMNRMIQRLRAEIDSVKKQCSSLQTAIAD
AEQRGELALKDARAKLVDLEEALQKAKQDMARLLREYQELMNIKLALDVEIATYRKLL
EGEECRLSGEGVSPVNISVVTSTLSSGYGSGSSIGGGNLGLGGGSGYSFTTSGGHS
LGAGLGGSGFSATSNRGLGGSGSSVKFVSTTSSSQKSYTH

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 KRT75 keratin 75 [Homo sapiens]

Official Symbol KRT75

Synonyms KRT75; keratin 75; keratin, type II cytoskeletal 75; K6HF; K75; CK-75; hK6hf; keratin-75; cytokeratin-75; type II keratin-18; cytokeratin type II; type II keratin-K6hf; type-II keratin Kb18; keratin-6 hair follicle; PFB; KB18;

Gene ID 9119

mRNA Refseq NM_004693

Protein Refseq NP_004684

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MIM	609025
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UniProt ID	O95678
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