

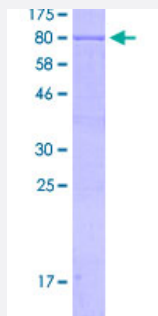
Full-Length

KRT75 (Human) Recombinant Protein (P01)

Catalog # H00009119-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human KRT75 full-length ORF (AA160175.1, 1 a.a. - 551 a.a.) recombinant protein with GST tag at N-terminal.

Sequence

MSRQSSITFQSGSRRGFSTTSITPAAGRSRFSSVSVARSAAGSGGLGRISSAGASFGSRSLYNL
GGAKRVSINGCGSSCRSGFGGRASNRFVNSGFGYGGGVGGGFSGPSFPVCPGGIQEVTVNQ
SLLTPLHLQIDPTIQRVRAEEREQIKTLNNKFASFIDKVRFLQNNKVLETKWALLQEQGSRTVRQN
LEPLFDSYSELRRQLESITTERGRLEAELRNMQDVVEDFKVRYEDEINKRTAAENEFVALKKDVD
AAYMNKVELEAKVKSLPEEINFIHSVFDAELSQLQTQVGDTSVVLSDNNRNLDLDSIAEVKAQY
EDIANRSRAEAESWYQTKYEELQVTAGRHGDDLRLNTKQEISEMNRMIQRLRAEIDSVKKQCSSLQ
TAADAEQRGELALKDARAKLVDLEEALQKAKQDMARLLREYQELMNIKLALDVEIATYRKLEGE
ECRLSGEGVSPVNISVVTSTLSSGYGSGSSIGGGNLGLGGSGYSFTTSGGHSLGAGLGGSGFS
ATSNRGLGGSGSSVKFVSTTSSSQKSYTH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

87.1

Interspecies Antigen Sequence

Mouse (84); Rat (81)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — KRT75

Entrez GeneID	9119
GeneBank Accession#	BC160175.1
Protein Accession#	AA160175.1
Gene Name	KRT75
Gene Alias	K6HF, KB18, PFB
Gene Description	keratin 75
Omim ID	609025
Gene Ontology	Hyperlink

Gene Summary	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]
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Other Designations	cytokeratin type II cytokeratin-75 keratin-6 hair follicle type II keratin-18
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