KRT75 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	KRT75, Lysate
Full Product Name	Human KRT75 Protein Lysate
Product Gene Name	KRT75 lysate
Product Synonym Names	KRT75; K6HF; KB18; PFB
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	59kDa
OMIM	600628
3D Structure	ModBase 3D Structure for O95678
Related Product Information for KRT75 lysate	Human KRT75 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of KRT75 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for KRT75 purchase	MBS8414239 is a lysate targeting KRT75. Also known as Human KRT75 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KRT75. It may not necessarily be applicable to this product.

NCBI GI #	153791158
NCBI GeneID	9119
NCBI Accession #	NP_004684
UniProt Primary Accession #	O95678
UniProt Related Accession #	O95678
GenBank Nucleotide #	NM_004693
NCBI Official Full Name	keratin, type II cytoskeletal 75
NCBI Official Synonym Full Names	keratin 75
NCBI Official Symbol	KRT75
NCBI Official Synonym Symbols	PFB; K6HF; KB18
UniProt Protein Name	Keratin, type II cytoskeletal 75
UniProt Synonym Protein Names	Cytokeratin-75; CK-75; Keratin-6 hair follicle; hK6hf; Keratin-75; K75; Type II keratin-K6hf; Type-II keratin Kb18
Protein Family	Keratin

UniProt Gene Name	KRT75
UniProt Synonym Gene Names	K6HF; KB18
UniProt Entry Name	K2C75_HUMAN
NCBI Protein Information	keratin, type II cytoskeletal 75
NCBI Summary for KRT75	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, Oct 2008]
Research Articles on KRT75	**1.** Studies show that mutation in epithelial hair keratin KRT75 leads to a skin condition called pseudofollicularis barbae. Carriers of this mutation have an altered enamel structure and mechanical properties leading to much higher prevalence of caries. [review]
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