Keratin, Type II Cytoskeletal 75 (KRT75) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Keratin, type II cytoskeletal 75 (KRT75), Recombinant Protein
Full Product Name	Recombinant Human Keratin, type II cytoskeletal 75 (KRT75)
Product Gene Name	KRT75 recombinant protein
Sequence	MSRQSSITFQ SGSRRGFSTT SAITPAAGRS RFSSVSVARS AAGSGGLGRI SSAGASFGSR SLYNLGGAKR VSINGCGSSC RSGFGGRASN RFGVNSGFGY GGGVGGGFSG PSFPVCPPGG IQEVTVNQSL LTPLHLQIDP TIQRVRAEER EQIKTLNNKF ASFIDKVRFL EQQNKVLETK WALLQEQGSR TVRQNLEPLF DSYTSELRRQ LESITTERGR LEAELRNMQD VVEDFKVRYE DEINKRTAAE NEFVALKKDV DAAYMNKVEL EAKVKSLPEE INFIHSVFDA ELSQLQTQVG DTSVVLSMDN NRNLDLDSII AEVKAQYEDI ANRSRAEAES WYQTKYEELQ VTAGRHGDDL RNTKQEISEM NRMIQRLRAE IDSVKKQCSS LQTAIADAEQ RGELALKDAR AKLVDLEEAL QKAKQDMARL LREYQELMNI KLALDVEIAT YRKLLEGEEC RLSGEGVSPV NISVVTSTLS SGYGSGSSIG GGNLGLGGGS GYSFTTSGGH SLGAGLGGSG FSATSNRGLG GSGSSVKFVS TTSSSQKSYT H
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	59,560 Da
Sequence Positions	1-551aa; Full Length
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	600628
3D Structure	ModBase 3D Structure for O95678
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for KRT75 recombinant protein	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).
Other Notes	Small volumes of KRT75 recombinant protein 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	MBS1238141 is a recombinant protein targeting KRT75. Also known as Recombinant Human Keratin, type II cytoskeletal 75 (KRT75). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

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_004684.2
UniProt Primary Accession #	O95678
UniProt Secondary Accession #	Q9NSA9; B4DQU4
UniProt Related Accession #	O95678
GenBank Nucleotide #	NM_004693.2
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; CK-75; hK6hf; K75
NCBI Protein Information	keratin, type II cytoskeletal 75
UniProt Comments for KRT75	Plays a central role in hair and nail formation. Essential component of keratin intermediate filaments in the companion layer of the hair follicle.
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]
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/keratin-type-ii-cytoskeletal-75-krt75/1238141