Keratin-Associated Protein 2-4 (KRTAP2-4) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Keratin-associated protein 2-4 (KRTAP2-4), Recombinant Protein
Full Product Name	Recombinant Human Keratin-associated protein 2-4 (KRTAP2-4)
Product Gene Name	KRTAP2-4 recombinant protein
Product Synonym Gene Name	KRTAP2-4
Sequence	MTGSCCGSTL SSLSYGGGCC QPCCCRDPCC CRPVTCQTTV CRPVTCVPRC TRPICEPCRR PVCCDPCSLQ EGCCRPITCC PSSCTAVVCR PCCWATTCCQ PVSVQSPCCR PPCGQPTPCS TTCRTSSC
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	13,480 Da
Sequence Positions	1-128, Full length protein
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.
3D Structure	ModBase 3D Structure for Q9BYR9
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for KRTAP2-4 recombinant protein	This protein is a member of the keratin-associated protein (KAP) family. The KAP proteins form a matrix of keratin intermediate filaments which contribute to the structure of hair fibers. KAP family members appear to have unique, family-specific amino- and carboxyl-terminal regions and are subdivided into three multi-gene families according to amino acid composition: the high sulfur, the ultrahigh sulfur, and the high tyrosine glycine KAPs. This protein is a member of the high sulfur KAP family and the gene is localized to a cluster of KAPs at 17q12-q21.
Other Notes	Small volumes of KRTAP2-4 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 KRTAP2-4 purchase	MBS1355197 is a recombinant protein targeting KRTAP2-4. Also known as Recombinant Human Keratin-associated protein 2-4 (KRTAP2-4). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KRTAP2-4. It may not necessarily be applicable to this product.

NCBI GI #	284005339
NCBI GeneID	730755

NCBI Accession #	NP_001158724.1
UniProt Primary Accession #	Q9BYR9
UniProt Secondary Accession #	Q495J2
UniProt Related Accession #	P0C7H8
GenBank Nucleotide #	NM_001165252.1
NCBI Official Full Name	keratin-associated protein 2-3
NCBI Official Synonym Full Names	keratin associated protein 2-3
NCBI Official Symbol	KRTAP2-3
NCBI Official Synonym Symbols	KAP2.3; KRTAP2.3
UniProt Protein Name	Keratin-associated protein 2-4
UniProt Synonym Protein Names	High sulfur keratin-associated protein 2.4; Keratin-associated protein 2.4
Protein Family	Keratin-associated protein
UniProt Gene Name	KRTAP2-4
UniProt Synonym Gene Names	KAP2.4; KRTAP2.4
NCBI Protein Information	keratin-associated protein 2-3
UniProt Comments for KRTAP2-4	In the hair cortex, hair keratin intermediate filaments are embedded in an interfilamentous matrix, consisting of hair keratin-associated proteins (KRTAP), which are essential for the formation of a rigid and resistant hair shaft through their extensive disulfide bond cross-linking with abundant cysteine residues of hair keratins. The matrix proteins include the high-sulfur and high-glycine-tyrosine keratins ().
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.
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