Keratin-Associated Protein 8-1 (KRTAP8-1) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Keratin-associated protein 8-1 (KRTAP8-1), Recombinant Protein
Full Product Name	Recombinant Human Keratin-associated protein 8-1 (KRTAP8-1)
Product Gene Name	KRTAP8-1 recombinant protein
Product Synonym Gene Name	KRTAP8-1
Sequence	MLCDNFPGAV FPGCYWGSYG YPLGYSVGCG YGSTYSPVGY GFGYGYNGCG AFGYRRYSPF ALY
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	6,826 Da
Sequence Positions	1-63, 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 Q8IUC2
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for KRTAP8-1 recombinant protein	MBS1351781 is a recombinant protein targeting KRTAP8-1. Also known as Recombinant Human Keratin-associated protein 8-1 (KRTAP8-1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of KRTAP8-1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KRTAP8-1. It may not necessarily be applicable to this product.

NCBI GI #	28466975
NCBI GeneID	337879
NCBI Accession #	NP_787053.1
UniProt Primary Accession #	Q8IUC2
UniProt Secondary Accession #	Q3LI57
UniProt Related Accession #	Q8IUC2

GenBank Nucleotide #	NM_175857.3
NCBI Official Full Name	keratin-associated protein 8-1
NCBI Official Synonym Full Names	keratin associated protein 8-1
NCBI Official Symbol	KRTAP8-1
NCBI Official Synonym Symbols	KAP8.1
UniProt Protein Name	Keratin-associated protein 8-1
UniProt Synonym Protein Names	High glycine-tyrosine keratin-associated protein 8.1
Protein Family	Keratin-associated protein
UniProt Gene Name	KRTAP8-1
UniProt Synonym Gene Names	KAP8.1; KRTAP8.1
NCBI Protein Information	keratin-associated protein 8-1
UniProt Comments for KRTAP8-1	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.
Research Articles on KRTAP8-1	**1.** The helical arrangement of intermediate filament proteins found in the orthocortex, which is uniquely distributed on the convex fiber side of the hair, is regulated by KAP8.1
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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