Keratin-Associated Protein 7-1 (KRTAP7-1) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Keratin-associated protein 7-1 (KRTAP7-1), Recombinant Protein
Full Product Name	Recombinant Human Keratin-associated protein 7-1 (KRTAP7-1)
Product Gene Name	KRTAP7-1 recombinant protein
Product Synonym Gene Name	KRTAP7-1
Sequence	MTRYFCCGSY FPGYPIYGTN FHGTFRATPL NCVVPLGSPL NYGCGCNGYS SLGYSFGGSN INNLGGCYGG SFYRPWGSGS GFGYSTY
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	9,288 Da
Sequence Positions	1-87, 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 Q8IUC3
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for KRTAP7-1 recombinant protein	MBS1313324 is a recombinant protein targeting KRTAP7-1. Also known as Recombinant Human Keratin-associated protein 7-1 (KRTAP7-1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of KRTAP7-1 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 KRTAP7-1. It may not necessarily be applicable to this product.

NCBI GI #	222418619
NCBI GeneID	337878
NCBI Accession #	NP_853637.2
UniProt Primary Accession #	Q8IUC3
UniProt Secondary Accession #	Q3LI56
UniProt Related Accession #	Q8IUC3

GenBank Nucleotide #	NM_181606.2
NCBI Official Full Name	keratin-associated protein 7-1
NCBI Official Synonym Full Names	keratin associated protein 7-1 (gene/pseudogene)
NCBI Official Symbol	KRTAP7-1
NCBI Official Synonym Symbols	KAP7.1
UniProt Protein Name	Keratin-associated protein 7-1
UniProt Synonym Protein Names	High tyrosine-glycine keratin-associated protein 7.1
Protein Family	Keratin-associated protein
UniProt Gene Name	KRTAP7-1
UniProt Synonym Gene Names	KAP7.1; KRTAP7.1
NCBI Protein Information	keratin-associated protein 7-1
UniProt Comments for KRTAP7-1	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.
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