# Keratin-Associated Protein 5-2 (KRTAP5-2) Mouse Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Keratin-associated protein 5-2 (Krtap5-2), Recombinant Protein |
| **Full Product Name** | Recombinant Mouse Keratin-associated protein 5-2 (Krtap5-2) |
| **Product Gene Name** | Krtap5-2 recombinant protein |
| **Product Synonym Gene Name** | Krtap5-2 |
| **Sequence** | MSCCGCSGGC GSSCGGCGSN CCKPVCCCKP VCCCVPACSC SSCGDCKGGC GSCGGCKGGC GSCGGCKGGC GSCGGCKGGC GSCGGCGSCG GCKGGCSSCG GCGSCGGCKG GCGSCGGCGS CGGCGSCGCC QSSCCKPCCC QSSCCKPCCC QSSCCQSSCC KPCCCQSSCC KPCCCQSSCC APVCCQCKI |
| **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** | 17,234 Da |
| **Sequence Positions** | 1-189, 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 Q9D5Z7 |
| **Species** | Mouse |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for Krtap5-2 recombinant protein** | MBS1334953 is a recombinant protein targeting Krtap5-2. Also known as Recombinant Mouse Keratin-associated protein 5-2 (Krtap5-2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of Krtap5-2 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 Krtap5-2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 364502999 |
| **NCBI GeneID** | 71623 |
| **NCBI Accession #** | NP_082120.3 |
| **UniProt Primary Accession #** | Q9D5Z7 |
| **UniProt Related Accession #** | Q9D5Z7 |

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| **GenBank Nucleotide #** | NM_027844.4 |
| **NCBI Official Full Name** | keratin-associated protein 5-2 |
| **NCBI Official Synonym Full Names** | keratin associated protein 5-2 |
| **NCBI Official Symbol** | Krtap5-2 |
| **NCBI Official Synonym Symbols** | 4833428E21Rik |
| **UniProt Protein Name** | Keratin-associated protein 5-2 |
| **Protein Family** | Keratin-associated protein |
| **UniProt Gene Name** | Krtap5-2 |
| **NCBI Protein Information** | keratin-associated protein 5-2 |
| **UniProt Comments for Krtap5-2** | In the hair cortex, hair keratin intermediate filaments are embedded in an interfilamentous matrix, consisting of hair keratin-associated protein (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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