# Protein Af-9 Homolog (YAF9) Kluyveromyces Lactis Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Protein AF-9 homolog (YAF9), Recombinant Protein |
| **Full Product Name** | Recombinant Kluyveromyces lactis Protein AF-9 homolog (YAF9) |
| **Product Gene Name** | YAF9 recombinant protein |
| **Product Synonym Gene Name** | YAF9; KLLA0F23584g |
| **Product Synonym Names** | Protein AF-9 homolog |
| **Sequence** | MPAPPVTKRI KTLSVTRPII YGNTAKKMGD NIPPNAPKDH THLWTIFVRD PRGEDISYFI KKVVFKLHET YPNPVRVIEA PPFELTETGW GEFEINIKIY FADVSNEKML NFYHHLRLHP YINPETKEIE RSNDESEVPE DEVKAVYFDE IVFNEPVEQF FQLLMSKPGN LFPSNKTPTC VFSRQLEQEE IDRIHIGTKK IDKEIKVYEQ KLKEAMDPNA |
| **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** | 25,702 Da |
| **Sequence Positions** | 1-220aa; 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 Q6CIV8 |
| **Species** | Kluyveromyces lactis (strain 8585 / CBS 2359 / DSM 70799 / NBRC 1267 / NRRL Y-1140 / WM37) (Yeast) (Candida sphaerica) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for YAF9 recombinant protein** | MBS1329641 is a recombinant protein targeting YAF9. Also known as Recombinant Kluyveromyces lactis Protein AF-9 homolog (YAF9). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of YAF9 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 YAF9. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 50312199 |
| **NCBI GeneID** | 2895331 |
| **NCBI Accession #** | XP_456131.1 |
| **UniProt Primary Accession #** | Q6CIV8 |

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| **UniProt Related Accession #** | Q6CIV8 |
| **GenBank Nucleotide #** | XM_456131.1 |
| **NCBI Official Full Name** | hypothetical protein |
| **NCBI Official Symbol** | KLLA0F23584g |
| **UniProt Protein Name** | Protein AF-9 homolog |
| **Protein Family** | Protein |
| **UniProt Gene Name** | YAF9 |
| **UniProt Entry Name** | AF9_KLULA |
| **NCBI Protein Information** | hypothetical protein |
| **UniProt Comments for YAF9** | Component of the SWR1 complex which mediates the ATP-dependent exchange of histone H2A for the H2A variant HZT1 leading to transcriptional regulation of selected genes by chromatin remodeling. Component of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of selected genes principally by acetylation of nucleosomal histones H4 and H2A. The NuA4 complex is also involved in DNA repair. Yaf9 may also be required for viability in conditions in which the structural integrity of the spindle is compromised (). |
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