Histone Acetyltransferase GCN5 (GCN5) Ashbya Gossypii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Histone acetyltransferase GCN5 (GCN5), Recombinant Protein
Full Product Name	Recombinant Ashbya gossypii Histone acetyltransferase GCN5 (GCN5)
Product Gene Name	GCN5 recombinant protein
Product Synonym Gene Name	GCN5; AER297C
Product Synonym Names	Histone acetyltransferase GCN5; EC=2.3.1.48
Sequence	MSMPLKRRNK QSQGNEPKKI KVEEQEAEEK ISEDIPVTDL KEPEALADIQ STSGGDEVSE GAQGDADPAE KSVGGLKEEV EDEEKGIVKF MFDGVEYKFR ERPSVIEEKE GKIEFRVVNN DNTRENMMVL TGLKNIFQKQ LPKMPKEYIA RLVYDRSHLS MAVIRKPLTV VGGITYRPFE KGEFAEIVFC AISSTEQVRG YGAHLMNHLK DYVRATTNIK YFLTYADNYA IGYFKKQGFT KEITLDKSVW MGYIKDYEGG TLMQCFMLPR IRYLDAAKIL LLQEAAIQRK IRTISRSHIV RPGLRQFEDL DNIEPIDPMS VPGLREAGWT PEMDELAQRP KRGPHYATMQ NVLTELQNHA AAWPFLQPVN RDEVPDYYEF IKEPMDLSTM EIKLENNRYE KMEDFIYDAR LIFNNCRAYN GENTSYFKYA NRLEKFFNTK MKEIPEYSHL LD
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	52,414 Da
Sequence Positions	1-452aa; 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 Q756G9
Species	Ashbya gossypii (strain 10895 / CBS 109.51 / FGSC 9923 / NRRL Y-1056) (Yeast) (Eremothecium gossypii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GCN5 recombinant protein	MBS1397228 is a recombinant protein targeting GCN5. Also known as Recombinant Ashbya gossypii Histone acetyltransferase GCN5 (GCN5). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of GCN5 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 GCN5. It may not necessarily be applicable to this product.

NCBI GI #	45190900
NCBI GeneID	4621367
NCBI Accession #	NP_985154.1

UniProt Primary Accession #	Q756G9
UniProt Related Accession #	Q756G9
GenBank Nucleotide #	NM_210508.1
NCBI Official Full Name	AER297Cp
NCBI Official Symbol	AGOS_AER297C
UniProt Protein Name	Histone acetyltransferase GCN5
Protein Family	Histone acetyltransferase
UniProt Gene Name	GCN5
UniProt Entry Name	GCN5_ASHGO
NCBI Protein Information	AER297Cp
UniProt Comments for GCN5	Acetylates histone H2B to form H2BK11ac and H2BK16ac, histone H3 to form H3K14ac, with a lower preference histone H4 to form H4K8ac and H4K16ac, and contributes to H2A.Z acetylation. Acetylation of histones gives a specific tag for epigenetic transcription activation ().
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