Recombinant human KAT2A/GCN5 protein

Catalog Number: ATGP1182

PRODUCT INFORMATION

Expression system
E.coli

Domain
411-837aa

UniProt No.
Q92830

NCBI Accession No.
NP_066564.2

Alternative Names
STAF97, PCAF-b, Lysine acetyltransferase 2A, Histone succinyltransferase KAT2A, Histone glutaryltransferase KAT2A, Histone acetyltransferase KAT2A, Histone acetyltransferase GCN5, General control of amino-acid synthesis 5-like 2, General control of amino acid synthesis protein 5-like 2, GCN5L2, GCN5

PRODUCT SPECIFICATION

Molecular Weight
51.1 kDa (447a) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 40% glycerol, 200mM NaCl, 1mM EDTA

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
GCN5L2 (General control of amino acid synthesis protein 5 like 2) belongs to the GCN5 family. It functions as a histone acetyltransferase (HAT) to promote transcriptional activation. Acetylation of histones gives a specific tag for epigenetic transcription activation. GCN5L2 has been shown to interact with Ku70, TAF9, transcription initiation protein SPT3 homolog, TADA2L, Ku80 and DDB1. Recombinant human GCN5L2 protein, fused to His-tag

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at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

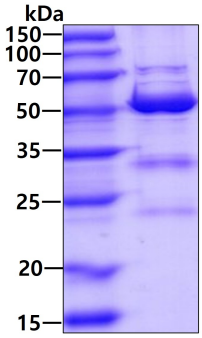
<MGSSHHHHHH SSGLVPRGSH> MGGGSNSSLS LDSAGAEPMP GEKRTLPENL TLEDAKRLRV MGDIPMELVN EVMLTITDPA AMLGPETSLL SANAARDETA RLEERRGIIE FHVIGNSLTP KANRRVLLWL VGLQNVFSHQ LPRMPKEYIA RLVFDPKHKT LALIKDGRVI GGICFRMFPT QGFTEIVFCA VTSNEQVKGY GTHLMNHLKE YHIKHNILYF LTYADEYAIG YFKKQGFSKD IKVPKSRYLG YIKDYEGATL MECELNPRIP YTELSHIIKK QKEIIKKLIE RKQAQIRKVY PGLSCFKEGV RQIPVESVPG IRETGWKPLG KEKGKELKDP DQLYTTLKNL LAQIKSHPSA WPFMEPVKKS EAPDYYEVIR FPIDLKTMTE RLRSRYYVTR KLFVADLQRV IANCREYNPP DSEYCRCASA LEKFFYFKLK EGGLIDK

General References

Guelman S., et al. (2009) Mol. Cell. Biol. 29:1176-1188
Col E., et al. (2001) J. Biol. Chem. 276:28179-28184

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.