

# Recombinant human KAT2A/GCN5 protein

Catalog Number: ATGP1182

## PRODUCT INFORMATION

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**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

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**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**

&gt; 90% 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

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**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 LDSAGAEMP GEKRTLPE NL TLEDAKRLRV MGDIPMELVN  
EVMLTITDPA AMLGPETSL SANAARDETA RLEERRGII E FHVIGNSLTP KANRRVLLWL VGLQNVFSHQ LPRMPKEYIA  
RLVFDPKHKT LALIKDGRVI GGICFRMFPT QGFTEIVFCA VTSNEQVKG Y GTHLMNHLKE YHIKHNILYF LTYADEYAIG  
YFKKQGFSD IKVPKSRYL G YIKDYEGATL MECELNPRIP YTELSHI IKK QKEI IKK LIE RKQAQIRKVY PGLSCFKEGV  
RQIPVESVPG IRETGWKPLG KEGKELKDP DQLYTTLK NL LAQIKSHPSA WPFMEPVKKS EAPDYEEVIR FPIDLKTMTE  
RLRSRYVTR KLFVADLQ RV IANCREYNPP DSEYCRCASA LEKFFYFKLK EGGLIDK

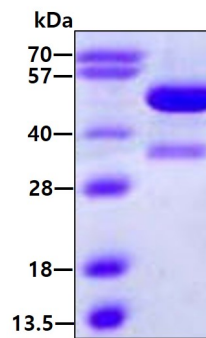
## General References

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.