

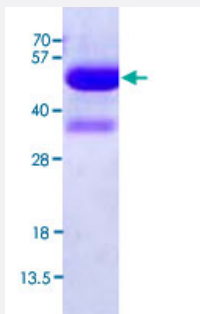
Full-Length

KAT2A (Human) Recombinant Protein

Catalog # P3938

Size 100 ug

Applications



Specification

Product Description

Human KAT2A (NP_066564, 411 a.a. - 837 a.a.) full-length recombinant protein with His tag expressed in *Escherichia coli*.

Sequence

MGSSHHHHHHSSGLVPRGSHMGGGSNSSLSDSAGAEMPGEKRTLPLENLTLEDAKRLRVMG
DIPMELVNEVMLTITDPAAMLGPETSLLSANAARDETARLEERRGIIEFHVIGNSLTPKANRRVLLW
LVGLQNVFSHQLPRMPKEYIARLVFDPKHKTALIKDGRVIGGICFRMFPTQGFTEVFCAVTSNEQ
VKGYGTHLMNHLKEYHIKHNL YFLT YADEYAIGYFKKQGFSKDIKVPKSRYLGYIKDYEGATLMECE
LNPRIPYTELSHIIKKQKEIHKKLIERKQAQIRKVYPGLSCFKEGVRQIPVESVPGIRETGWKPLGKEK
GKELKDPDQLYTTLKNLLAQIKSHPSAWPFMEPVKKSEAPDYEVIRFPIDLKTMTERLRSRYVTR
KLFVADLQRVIANCREYNPPDSEYCRCSALEKFFYFKLKEGGLIDK

Host Escherichia coli

Theoretical MW (kDa) 51.1

Form Liquid

Preparation Method *Escherichia coli* expression system

Purification Conventional Chromatography

Concentration 0.25 mg/mL

Purity > 90% by SDS-PAGE

Quality Control Testing

Loading 3 ug protein in 15% SDS PAGE.

Storage Buffer

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

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — KAT2A

Entrez GeneID

[2648](#)

Protein Accession#

[NP_066564](#)

Gene Name

KAT2A

Gene Alias

GCN5, GCN5L2, MGC102791, PCAF-b, hGCN5

Gene Description

K(lysine) acetyltransferase 2A

Omim ID

[602301](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

KAT2A, or GCN5, is a histone acetyltransferase (HAT) that functions primarily as a transcriptional activator. It also functions as a repressor of NF-kappa-B (see MIM 164011) by promoting ubiquitination of the NF-kappa-B subunit RELA (MIM 164014) in a HAT-independent manner (Mao et al., 2009 [PubMed 19339690]).[supplied by OMIM]

Other Designations

GCN5 (general control of amino-acid synthesis, yeast, homolog)-like 2|GCN5 general control of a mino-acid synthesis 5-like 2|General control of amino acid synthesis, yeast, homolog-like 2

Pathway

- [Notch signaling pathway](#)

Disease

- [Disease Progression](#)

- [Disease Susceptibility](#)
- [HIV Infections](#)