

## KAT2A Human

**Description:** KAT2A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 447 amino acids (411-837 a.a) and having a molecular mass of 51.1kDa. KAT2A is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** ENPS-173

For research use only.

**Synonyms:** Histone acetyltransferase KAT2A, General control of amino acid synthesis protein 5-like 2, Histone acetyltransferase GCN5, HsGCN5, Lysine acetyltransferase 2A, STAF97, KAT2A, GCN5, GCN5L2, HGCN5, PCAF-b.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGGGSNSSLS LDSAGAEMP  
GEKRTLPEL TLEDAKRLRV MGDIPMELVN EVMLTITDPA AMLGPETSL SANAARDETA  
RLEERRGIE FHVIGNSLTP KANRRVLLWL VGLQNVFSHQ LPRMPKEYIA RLVFDPKHKT  
LALIKDGRVI GGICFRMFPT QGFEIVFCA VTSNEQVKGY GTHLMNHLKE YHIKHNLIFY  
LTYADEYAIG YF

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

KAT2A protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 5mM DTT, 40% glycerol, 200mM NaCl and 1mM EDTA.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

General control of amino acid synthesis protein 5 like 2 (KAT2A) is a member of the GCN5 family. KAT2A functions as a histone acetyltransferase (HAT) to promote transcriptional activation. Acetylation of histones gives a specific tag for epigenetic transcription activation. KAT2A interacts with Ku70, TAF9, transcription initiation protein SPT3 homolog, TADA2L, Ku80 and DDB1.

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