
Product Data Sheet

Product Name: KAT2A Human
 Cat. No.: GP21835
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGGGSNSSLS LDSAGAEPMP GEKRTLPELNL TLEDAKRLRV MGDIPMELVN EVMLTITDPA AMLGPETSLL SANAARDETA RLEERRGII E FHVIGNSLTP KANRRVLLWL VGLQNVFSHQ LPRMPKEYIA RLVFDPKHKT LALIKDGRVI GGICFRMFPT QGFTEIVFCA VTSNEQVKG Y GTHLMNHLKE YHIKHNILYF LTYADEYAIG YFKKQGFSD IKVPKSRYLG YIKDYEGATL MECELNPRIP YTELSHIIKK QKEIIKK LIE RKQAQIRKVY PGLSCFKEGV RQIPVESVPG IRETGWKPLG KEKGKELKDP DQLYTTLKNL LAQIKSHPSA WPFMEPVKKS EAPDYEEVIR FPIDLKTMTE RLRSRYVTR KLFVADLQRV IANCREYNPP DSEYCRCASA LEKFFYFKLK EGGLIDK.		
Formulation	KAT2A protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 5mM DTT, 40% glycerol, 200mM NaCl and 1mM EDTA.		

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

Background

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.

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