

HAT1, 20-341aa, Human, His tag, E.coli

Cat.NO.: TP02402

3th Edition

Synonyms:Histone acetyltransferase 1, KAT1.

Description:HAT1, also known as histone acetyltransferase 1, is a type B histone acetyltransferase (HAT) that is involved in the rapid acetylation of newly synthesized cytoplasmic histones, which are in turn imported into the nucleus for de novo deposition onto nascent DNA chains. Histone acetylation, particularly of histone H4, plays an important role in replication-dependent chromatin assembly.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol 1mM DTT.

Molecular Weight:40.1 kDa (343aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMKKLAEYKCNTNTAIELKLVRFPEDLENDIRTFPPPEYTHQLFGDDETAFGYKGLKIL
LYYIAGSLSTMFRVEYASKVDENFDCVEADDDVEGKIRQIIPPGFCTNTNDFLSLLEKEVDFKPFGTLLHTYSVLSPTG
GENFTFQIYKADMTCRGFRHEYHERLQTFLMWFIETASFIDVDDERWHYFLVFEKYNKDGATL FATVG YMTVYNNYV
YPDKTRPRVSQMLILTPFQQGQGHGAQLLETVHRYYTEFPTVLDITAEDPSKSYVKLRDFVLVKLCQDLPCFSREKLM
QGFNEDMAIEAQQKFKINKQHARRVYEILRLLVTD

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.