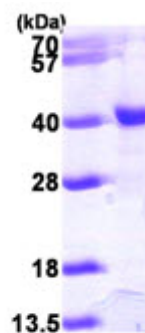


AR09406PU-N

Human HAT1 (20-341, His-tag) - Purified

Alternate names:	Histone acetyltransferase type B catalytic subunit
Quantity:	50 µg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	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. Specifically, this HAT can acetylate soluble but not nucleosomal histone H4 at lysines 5 and 12, and to a lesser degree, histone H2A at lysine 5.
Uniprot ID:	O14929
NCBI:	NP_003633
GeneID:	8520
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS – PAGE Buffer System: In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT
Description:	Recombinant HAT1 protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHHH SSGLVPRGSH MKKLAEYKCN TNTAIELKLV RFPEDLENDI RTFFPEYTHQ LFGDDETAFG YKGLKILLY IAGSLSTMFR VEYASKVDEN FDCVEADDVE GKIRQIIPPG FCTNTNDFLS LLEKEVDFKP FGTLHTYSV LSPTGGENFT FQIYKADMT C RGFREYHERL QTFLMWFIET ASFIDVDDER WHYFLVFEKY NKDGATLFAT VGYMTVYNNY VYPDKTRPRV SQMLILTPFQ GQGHGAQLLE TVHRYYTEFP TVLDITAEDP SKSYVKLRDF VLVKLCQDLP CFSREKLMQG FNEDMAIEAQ QKFKINKQHA RRVYEILRLL VTD Molecular weight: 40.1 kDa (343 aa)
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Marmorstein R., et al. (2001) J Mol Biol. 311(3):433-44.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human HAT1, 20-341 aa,
His-tagged: 15% SDS-PAGE (3 μ g)

