

HAT1 recombinant protein

HAT1, 20-341aa, Human, His tag, E Coli

CATALOG # AAA48631	HOST E Coli	APPLICATIONS SDS-Page
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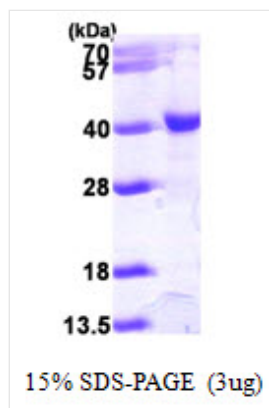
PRODUCT SYNONYMS

HAT1; 20-341aa; Human; His tag; E Coli; Histone acetyltransferase 1; KAT1; Histone acetyltransferase 1 HAT 1; Histidine aminotransferase 1; Histone acetyltransferase type B catalytic subunit; HAT1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 1mM DTT.
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MKKLAEYKCN TNTAIELKLV RFPEDLENDI RTFFPEYTHQ LFGDDETAFG YKGLKILLY IAGSLSTMFR VEYASKVDEN FDCVEADDVE GKIRQIIPPG FCTNTNDFLS LLEKEVDFKP FGTLLHTYSV LSPTGGENFT FQIYKADMTG RGFREYHERL QTFLMWFIET ASFIDVDDER WHYFLVFEKY NKDGATLFAT VGymTVYNY VYPDKTRPRV SQMLILTPFQ GQGHGAQLLE TVHRYYTEFP TVLDITAEDP SKSYVKLRDF VLVKLCQDLP CFSREKLMQG FNEDMAIEAQ QKFKINKQHA RRVYEILRLL VTD
Sequence Length	419
Applicable Applications for HAT1 recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	20-341aa
Preparation and Storage	Can be stored at 2-8 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3 ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for HAT1 recombinant protein	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. Recombinant HAT1 protein was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for HAT1 recombinant protein	Enzymes & Proteases
References	Verreault A., et al. (1998) Curr Biol. 8 (2):96-108. ; Marmorstein R., et al. (2001) J Mol Biol. 311 (3):433-44. ;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504341
NCBI GeneID	8520
NCBI Accession #	NP_003633
NCBI GenBank Nucleotide #	NM_003642.3
UniProt Accession #	O14929; Q49A44; Q53QF0; Q53SU4; Q6P594; Q8WWB9
Molecular Weight	40 kDa (343aa), confirmed by MALDI-TOF.
NCBI Official Full Name	histone acetyltransferase type B catalytic subunit
NCBI Official Synonym Full Names	histone acetyltransferase 1
NCBI Official Symbol	HAT1
NCBI Official Synonym Symbols	KAT1
NCBI Protein Information	histone acetyltransferase type B catalytic subunit
UniProt Protein Name	Histone acetyltransferase type B catalytic subunit
UniProt Gene Name	HAT1
UniProt Synonym Gene Names	KAT1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.