

# Product datasheet for AR09406PU-L

# HAT1 (20-341, His-tag) Human Protein

## **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Recombinant Proteins
Description:	HAT1 (20-341, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MKKLAEYKCN TNTAIELKLV RFPEDLENDI RTFFPEYTHQ LFGDDETAFG YKGLKILLYY IAGSLSTMFR VEYASKVDEN FDCVEADDVE GKIRQIIPPG FCTNTNDFLS LLEKEVDFKP FGTLLHTYSV LSPTGGENFT FQIYKADMTC RGFREYHERL QTFLMWFIET ASFIDVDDER WHYFLVFEKY NKDGATLFAT VGYMTVYNYY VYPDKTRPRV SQMLILTPFQ GQGHGAQLLE TVHRYYTEFP TVLDITAEDP SKSYVKLRDF VLVKLCQDLP CFSREKLMQG FNEDMAIEAQ QKFKINKQHA RRVYEILRLL VTD
Tag:	His-tag
Predicted MW:	40.1 kDa
Concentration:	lot specific
Purity:	>90% by SDS – PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant HAT1 protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP 003633</u>
Locus ID:	8520
UniProt ID:	<u>O14929</u>
Cytogenetics:	2q31.1
Synonyms:	KAT1



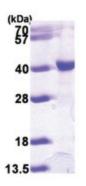
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## Service Matter (20-341, His-tag) Human Protein – AR09406PU-L

Summary:The protein encoded by this gene is a type B histone acetyltransferase (HAT) that is involved<br/>in the rapid acetylation of newly synthesized cytoplasmic histones, which are in turn<br/>imported into the nucleus for de novo deposition onto nascent DNA chains. Histone<br/>acetylation, particularly of histone H4, plays an important role in replication-dependent<br/>chromatin assembly. Specifically, this HAT can acetylate soluble but not nucleosomal histone<br/>H4 at lysines 5 and 12, and to a lesser degree, histone H2A at lysine 5. Alternatively spliced<br/>transcript variants have been identified for this gene. [provided by RefSeq, Jun 2009]

Protein Families: Druggable Genome

## **Product images:**



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