

Recombinant Human MTH1 protein ab99390

2 References 1 图像

描述	
产品名称	重组人MTH1蛋白
纯度	> 95 % SDS-PAGE. ab99390 is purified using conventional chromatography techniques.
表达系统	Escherichia coli
Accession	<b><u>P36639</u></b>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	<b>MGSSHHHHHHSSGLVPRGSHMGASRLYLVLVLQPQRVLL GMKKRGFGAG RWNGFGGKVQEGETIEDGARRELQEESGLTVDALHKVGQIVF EFVGEPEL MDVHVFCTDSIQGTPVESDEMPCWFQLDQIPFKDMWPDDSY WFPLLLQK KKFHGYFKFQGQDTILDYTLREVDTV</b>
预测分子量	20 kDa including tags
氨基酸	1 to 156
标签	His tag N-Terminus
技术指标	
Our <b><u>Abpromise guarantee</u></b> covers the use of <b>ab99390</b> in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	SDS-PAGE  Mass Spectrometry
质谱法	MALDI-TOF
形式	Liquid
制备和贮存	
稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

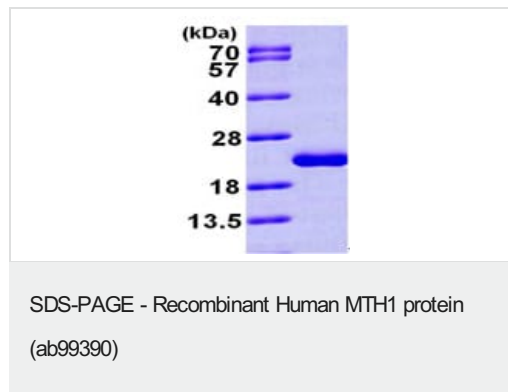
pH: 8.00

Constituents: 0.0308% DTT, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

## 常规信息

功能	Antimutagenic. Acts as a sanitizing enzyme for oxidized nucleotide pools, thus suppressing cell dysfunction and death induced by oxidative stress. Hydrolyzes 8-oxo-dGTP, 8-oxo-dATP and 2-OH-dATP, thus preventing misincorporation of oxidized purine nucleoside triphosphates into DNA and subsequently preventing A:T to C:G and G:C to T:A transversions. Able to hydrolyze also the corresponding ribonucleotides, 2-OH-ATP, 8-oxo-GTP and 8-oxo-ATP. Does not play a role in U8 snoRNA decapping activity. Binds U8 snoRNA.
组织特异性	Widely expressed with highest expression in thymus, testis, embryo and proliferating blood lymphocytes.
序列相似性	Belongs to the Nudix hydrolase family. Contains 1 nudix hydrolase domain.
发展阶段	In peripheral blood lymphocytes, expressed at much higher levels in proliferating cells than in resting cells.
翻译后修饰	The N-terminus is blocked.
细胞定位	Cytoplasm. Mitochondrion matrix and Cytoplasm. Mitochondrion matrix. Nucleus. Mostly present in cytoplasm. Variant Met-124 has decreased efficiency in translocation to mitochondria.

## 图片



15% SDS-PAGE analysis of 3µg ab99390.

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