

# Recombinant Human AK6 protein ab104633

## 1 图像

### 描述

产品名称	重组人AK6蛋白
纯度	> 90 % SDS-PAGE. ab104633 is purified using conventional chromatography techniques.
表达系统	Escherichia coli
Accession	<b><u>Q9Y3D8</u></b>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	<b>MGSSHHHHHSSGLVPRGSHMLLPNILLTGTGPGVGKTTLG KELASKGLK YINVGDLAREEQLYDGYDEEYDCPILEDREVDELDNQMREG GVIVDYHG CDFFPERWFHIVFVLRDTNVLRYERLETRGYNEKKLTDNIQC EIFQVLYE EATASYKEEIVHQLPSNKPEELENVDQILKWIEQWIKDHNS</b>
预测分子量	22 kDa
氨基酸	1 to 172
标签	His tag N-Terminus

### 技术指标

Our **Abpromise guarantee** covers the use of **ab104633** 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: 0.0154% DTT, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine)

## 常规信息

### 功能

Broad-specificity nucleoside monophosphate (NMP) kinase that catalyzes the reversible transfer of the terminal phosphate group between nucleoside triphosphates and monophosphates. AMP and dAMP are the preferred substrates, but CMP and dCMP are also good substrates. IMP is phosphorylated to a much lesser extent. All nucleoside triphosphates ATP, GTP, UTP, CTP, dATP, dCTP, dGTP, and TTP are accepted as phosphate donors. CTP is the best phosphate donor, followed by UTP, ATP, GTP and dCTP. May have a role in nuclear energy homeostasis. Has also ATPase activity. May be involved in regulation of Cajal body (CB) formation.

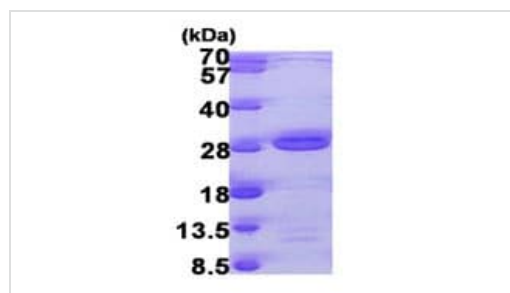
### 序列相似性

Belongs to the adenylylase kinase family. AK6 subfamily.

### 细胞定位

Nucleus > nucleoplasm. Nucleus > Cajal body. Displays widespread diffuse nucleoplasmic distribution but not detected in nucleoli. Detected in Cajal bodies but not in all cells.

## 图片



15% SDS-PAGE showing ab104633 (3 µg) at approximately 22.2 kDa. (Molecular weight on SDS-PAGE will appear higher).

SDS-PAGE - Recombinant Human AK6 protein  
(ab104633)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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