

Product datasheet

Recombinant Human NM23A protein (His tag)  
 ab221404

1 Image

Description

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<b>Product name</b>	Recombinant Human NM23A protein (His tag)	
<b>Purity</b>	> 98 % SDS-PAGE.	
<b>Endotoxin level</b>	< 1.000 Eu/μg	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P15531</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	ANCERTFIAIKPDGVQRGLVGEIIKRFEQKGFRLVGLKFMQ ASEDLLKEH YVDLKDRPFFAGLVKYMHS GPVVAMVWEGLNVVKTGRV MLGETNPADSKP GTIRGDFCIQVGRNIIHGSDSVESAEKEIGLWFHPEELVDYT SCAQNWY E	
<b>Predicted molecular weight</b>	18 kDa including tags	
<b>Amino acids</b>	2 to 152	
<b>Tags</b>	His tag N-Terminus	
<b>Additional sequence information</b>	Full length protein without starter Methionine.	

Specifications

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Our [Abpromise guarantee](#) covers the use of **ab221404** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Lyophilized

Preparation and Storage

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## Stability and Storage

Shipped at 4°C. Store at -80°C. Avoid freeze / thaw cycle.

pH: 7.40

Constituents: PBS, 5% Trehalose

## Reconstitution

Reconstitute with sterile deionized water to a concentration of 400 µg/ml.

## General Info

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### Function

Major role in the synthesis of nucleoside triphosphates other than ATP. Possesses nucleoside-diphosphate kinase, serine/threonine-specific protein kinase, geranyl and farnesyl pyrophosphate kinase, histidine protein kinase and 3'-5' exonuclease activities. Involved in cell proliferation, differentiation and development, signal transduction, G protein-coupled receptor endocytosis, and gene expression. Required for neural development including neural patterning and cell fate determination.

### Tissue specificity

Isoform 1 is expressed in heart, brain, placenta, lung, liver, skeletal muscle, pancreas, spleen and thymus. Expressed in lung carcinoma cell lines but not in normal lung tissues. Isoform 2 is ubiquitously expressed and its expression is also related to tumor differentiation. Isoform 3 is ubiquitously expressed.

### Sequence similarities

Belongs to the NDK family.

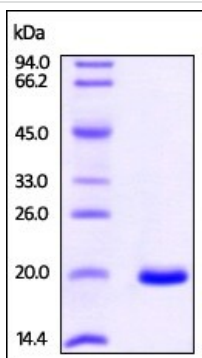
### Cellular localization

Cytoplasm. Nucleus. Cell-cycle dependent nuclear localization which can be induced by interaction with Epstein-barr viral proteins or by degradation of the SET complex by GzmA.

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## Images

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SDS-PAGE - Recombinant Human NM23A protein  
(His tag) (ab221404)

SDS-PAGE using ab221404. DTT-reduced protein migrates as 21 kDa.

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

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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