

Product datasheet

Recombinant human NME3 protein ab211318

1 Image

Description

Product name	Recombinant human NME3 protein
Biological activity	Specific activity is > 150 units/mg, and is defined as the amount of enzyme that convert 1.0 umole each of ATP and TDP to ADP and TTP per minute at pH 7.5 at 25°C in a couple system with PK/LDH.
Purity	> 95 % SDS-PAGE. ab211318 was purified using conventional chromatography.
Expression system	Escherichia coli
Accession	<u>Q13232</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMERTFLAVKPDGVQRRLV GEVRRFERKGF KLVALKL VQASEELLREHYAELRERPFYGR LVKYMASGPV VAMVWQGLDV VRTSRALIGATNPADAPPGTIRGDFCIEVGKNLIHGSDSVE SARREIALW FRADELLCWEDSAGHWLYE
Predicted molecular weight	19 kDa including tags
Amino acids	22 to 169
Tags	His tag N-Terminus
Additional sequence information	NP_002504.

Specifications

Our **Abpromise guarantee** covers the use of **ab211318** in the following tested applications.

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

Applications	Functional Studies
	SDS-PAGE
	Mass Spectrometry

Mass spectrometry	MALDI-TOF
Form	Liquid

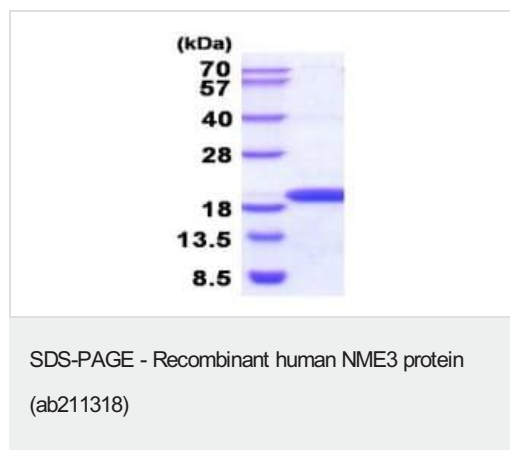
Preparation and Storage

Stability and Storage	<p>Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.</p> <p>pH: 8.00</p> <p>Constituents: 0.32% Tris HCl, 50% Glycerol (glycerin, glycerine), 0.58% Sodium chloride, 0.03% DTT</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
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General Info

Function	Major role in the synthesis of nucleoside triphosphates other than ATP. The ATP gamma phosphate is transferred to the NDP beta phosphate via a ping-pong mechanism, using a phosphorylated active-site intermediate. Probably has a role in normal hematopoiesis by inhibition of granulocyte differentiation and induction of apoptosis.
Sequence similarities	Belongs to the NDK family.
Developmental stage	Preferentially expressed at early stages of myeloid differentiation of highly purified CD34+ cells.

Images



15% SDS-PAGE analysis of ab211318 (3µg).

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

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