

## Product datasheet

### Recombinant Human NUCB2 protein ab101042

1 Image

#### Description

<b>Product name</b>	Recombinant Human NUCB2 protein
<b>Purity</b>	> 95 % SDS-PAGE. Purity as determined by densitometric image analysis: > 95%
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P80303</u></b>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<b>MKHHHHHHAS</b> VPIDIDKTKVQNIHPVESAKIEPPDTGLYYD EYLKQVIDV LETDKHFKREKLQKADIEEIKSGRLSKELDLVSHHVRTKLDE L
<b>Predicted molecular weight</b>	11 kDa including tags
<b>Amino acids</b>	25 to 106
<b>Tags</b>	His tag N-Terminus

#### Specifications

Our **Abpromise guarantee** covers the use of **ab101042** in the following tested applications.

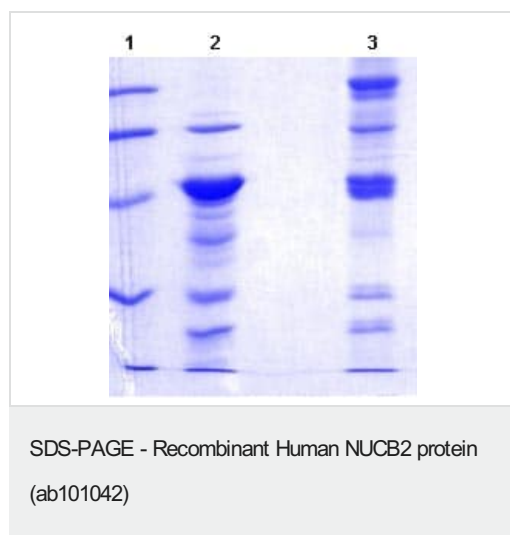
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Western blot SDS-PAGE
<b>Form</b>	Lyophilized
<b>Additional notes</b>	Store lyophilized protein at −20°C. Lyophilized protein remains stable until the expiry date when stored at −20°C. Previously labelled as Nucleobindin 2.

#### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. Please see notes section.  Constituents: 0.242% Tris, 0.29% Sodium chloride
<b>Reconstitution</b>	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
<b>General Info</b>	
<b>Function</b>	Calcium-binding protein. May have a role in calcium homeostasis.
<b>Tissue specificity</b>	Predominantly expressed in spleen, testis and normal stomach.
<b>Sequence similarities</b>	Belongs to the nucleobindin family. Contains 2 EF-hand domains.
<b>Cellular localization</b>	Membrane. Cytoplasm. Secreted.

## Images



14% SDS-PAGE analysis of ab101042

Lane 1: Molecular weight markers; 14, 21, 31, 45, 66, 97 kDa

Lane 2: ab101042 (reduced and heated, 5µg/lane)

Lane 3: ab101042 (non-reduced and non-heated, 5µg/lane)

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

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