

Recombinant Human DNASE2 protein ab131772

1 Image

Description

Product name	Recombinant Human DNASE2 protein
Expression system	Wheat germ
Accession	<u>O00115</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MIPLLLAALLCVPAGALTCYGD SGQPVDWFVVYKLPALRG SGEAAQRGLQ YKYLDESSGGWRDGRALINSPEGAVGRSLQPLYRSNTSQ LAFLLYNDQPP QPSKAQDSSMRGHTKGVLLLDHDGGFWLVHSPNFPPP ASSAAYSWPHSA CTYGQTLLCVSFPPAQFSKMGKQLTYTPWVYNYQLEGIF AQEFPDLENV VKGHHVSQEPWNSSITLTSQAGAVFQSFAKFSKFGDDL YSGWLAAALGTN LQVQFWHKTVGILPSNCS DIWQVLNVNQIAFPGPAGPSFN STEDHSKWCV SPKGPWTCVGD MNRNQGEEQRGGGTLC AQLPALWKAF QPLVKNYQPCNGM ARKPSRAYKI
Predicted molecular weight	66 kDa including tags
Amino acids	1 to 360

Specifications

Our **Abpromise guarantee** covers the use of **ab131772** in the following tested applications.

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

Applications	SDS-PAGE Western blot ELISA
Form	Liquid

Additional notes

This product was previously labelled as DNase II.

Preparation and Storage

Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function

Hydrolyzes DNA under acidic conditions with a preference for double-stranded DNA. Plays a major role in the degradation of nuclear DNA in cellular apoptosis during development. Necessary for proper fetal development and for definitive erythropoiesis in fetal liver, where it degrades nuclear DNA expelled from erythroid precursor cells.

Sequence similarities

Belongs to the DNase II family.

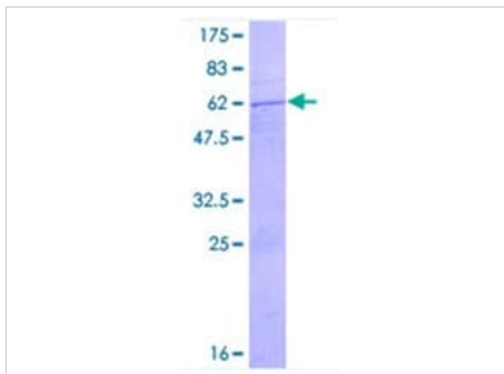
Post-translational modifications

Glycosylated. Mutations that eliminate N-glycosylation sites reduce activity, but enzymatic deglycosylation has no effect.

Cellular localization

Lysosome.

Images



12.5% SDS-PAGE analysis of ab131772 stained with Coomassie Blue.

SDS-PAGE - Recombinant Human DNASE2 protein
(ab131772)

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

- 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.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors