

## Product datasheet

# Recombinant Human Sodium/Hydrogen Exchanger 1/NHE-1 protein ab152688

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### Description

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<b>Product name</b>	Recombinant Human Sodium/Hydrogen Exchanger 1/NHE-1 protein
<b>Expression system</b>	Wheat germ
<b>Accession</b>	<b><u>P19634</u></b>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Predicted molecular weight</b>	36 kDa including tags
<b>Amino acids</b>	31 to 130

### Specifications

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Our **Abpromise guarantee** covers the use of **ab152688** 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 ELISA
<b>Form</b>	Liquid
<b>Additional notes</b>	This product was previously labelled as Sodium / Hydrogen Exchanger 1.

### Preparation and Storage

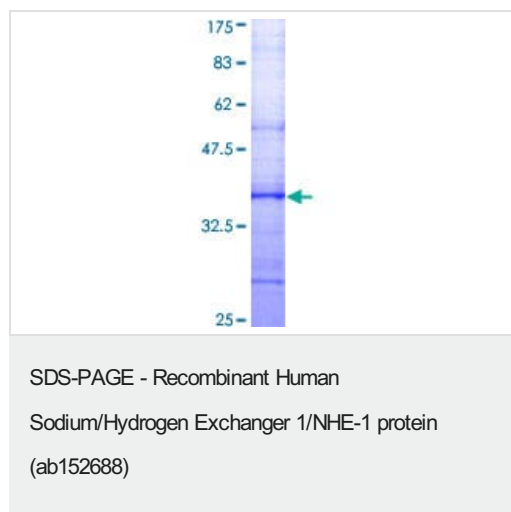
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<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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### General Info

<b>Function</b>	Involved in pH regulation to eliminate acids generated by active metabolism or to counter adverse environmental conditions. Major proton extruding system driven by the inward sodium ion chemical gradient. Plays an important role in signal transduction.
<b>Tissue specificity</b>	Kidney and intestine.
<b>Sequence similarities</b>	Belongs to the monovalent cation:proton antiporter 1 (CPA1) transporter (TC 2.A.36) family.
<b>Post-translational modifications</b>	Phosphorylated upon DNA damage, probably by ATM or ATR. O-glycosylated.
<b>Cellular localization</b>	Membrane.

## Images



12.5% SDS-PAGE showing ab152688 stained with Coomassie Blue.

**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.

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