

Product datasheet

Recombinant Human BSND protein ab167848

1 Image

Description

<b>Product name</b>	Recombinant Human BSND protein	
<b>Purity</b>	> 90 % SDS-PAGE. ab167848 was purified using conventional chromatography techniques.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">Q8WZ55</a>	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	MGSSHHHHHHSSGLVPRGSHMGSCQCYPKITFVPADSD FQGILSPKAMGL LENGAAEMKSPSPQPPYVRLWEEAAYDQSLPDFSHIQM KVMSYSEDHRS LLAPEMGQPKLGTSDGGEGGPGDVQAWMEAAVVIHKGS DESEGERRLTQS WPGPLACQGPAPLASFQDDLDMSSEGSSPNASPHD REEACSPQQEPQG CRCPLDRFQDFALIDAPTLDEPQEGQQWEIALPNNWQR YPRTKVEEKEA SDTGGEPEKEEEDLYGLPDGAGDLLPKELGFEPDTQ G	
<b>Predicted molecular weight</b>	32 kDa including tags	
<b>Amino acids</b>	54 to 320	
<b>Tags</b>	His tag N-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab167848** 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 Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF

**Form** Liquid

## Preparation and Storage

**Stability and Storage** 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.

pH: 8.00  
Constituents: 0.02% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

## General Info

**Function** Functions as a beta-subunit for CLCNKA and CLCNKB chloride channels. In the kidney CLCNK/BSND heteromers mediate chloride reabsorption by facilitating its basolateral efflux. In the stria, CLCNK/BSND channels drive potassium secretion by recycling chloride for the basolateral SLC12A2 cotransporter.

**Tissue specificity** Expressed primarily in kidney. Expressed in specific nephron segments and in the stria vascularis of the inner ear.

**Involvement in disease** Bartter syndrome 4A

**Cellular localization** Cell membrane. Cytoplasm. A significant amount also observed intracellularly. Staining in membranes of the renal tubule and of potassium-secreting epithelia of the inner ear is basolateral.

## Images



15% SDS-PAGE analysis of 3µg ab167848.

**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