

Product datasheet

Cytochrome b reductase 1 peptide (273-286) ab45677

Overview

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**Product name** Cytochrome b reductase 1 peptide (273-286)

Description

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**Nature** Synthetic

**Amino Acid Sequence**

**Species** Human

**Sequence** C-RNLALDEAGQRSTM

**Amino acids** 273 to 286

Specifications

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Our [Abpromise guarantee](#) covers the use of **ab45677** in the following tested applications.

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

**Applications** Blocking - Blocking peptide for Anti-Cytochrome b reductase 1 antibody ([ab28758](#))

**Form** Liquid

Preparation and Storage

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**Stability and Storage** Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

General Info

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**Function** Ferric-chelate reductase that reduces Fe(3+) to Fe(2+). Present at the brush border of duodenal enterocytes where it probably reduces dietary Fe(3+) thereby facilitating its transport into the mucosal cells. Uses ascorbate as electron donor. May be involved in extracellular ascorbate recycling in erythrocyte membranes. May also act as a ferrireductase in airway epithelial cells.

**Tissue specificity** Present in erythrocyte membranes (at protein level). Also expressed in respiratory epithelium.

**Sequence similarities** Contains 1 cytochrome b561 domain.

**Cellular localization** Membrane.

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