

Product datasheet

Recombinant Human CGRP protein ab158017

1 Image

Overview

**Product name** Recombinant Human CGRP protein  
**Protein length** Protein fragment

Description

**Nature** Recombinant  
**Source** Wheat germ  
**Amino Acid Sequence**  
**Species** Human  
**Sequence** AALVQDYVQMKASELEQEQEREGSSLDSPRSKRCGN  
LSTCMLGTYTQDFN  
KFHTFPQTAIGVGAPGKKRDMSSDLERDHRPHVSMP  
QNAN  
**Amino acids** 52 to 141  
**Tags** proprietary tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab158017** in the following tested applications.  
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** Western blot  
ELISA  
**Form** Liquid  
**Additional notes** Protein concentration is above or equal to 0.05 mg/ml.

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

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### Relevance

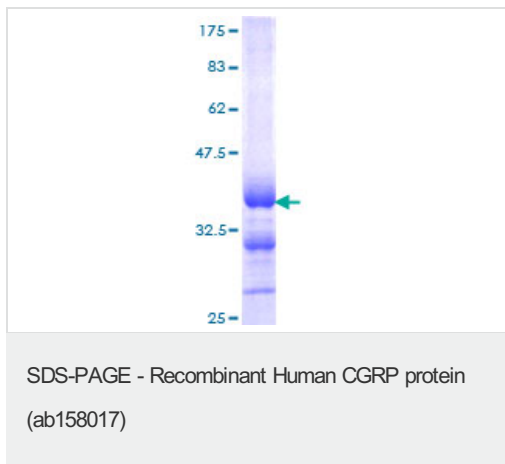
CGRP is present in C-cells of the thyroid and in central and peripheral nerves. CGRP has several important physiologic roles: it is a potent vasodilator, and can affect the force and rate of heart beat; it can modulate acetylcholine receptor function at the neuromuscular junction; it has been demonstrated to block tolerance to morphine; and it can modulate antigen presentation in Langerhans cells in the skin. Despite these important physiologic functions, therapeutic strategies using CGRP have been impeded due to the lack of a cloned CGRP receptor with which ligands could be developed.

### Cellular localization

Endoplasmic reticulum and Secreted

## Images

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ab158017 on a 12.5% SDS-PAGE stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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