

## Product datasheet

# Recombinant human ADRB2 + G<sub>16α</sub> fusion protein ab90339

### 概述

产品名称	Recombinant人ADRB2 + G <sub>16α</sub> fusion protein
蛋白长度	Full length protein
描述	Recombinant人ADRB2 + G <sub>16α</sub> fusion protein

### 描述

性质	Recombinant
来源	Baculovirus infected Sf9 cells
氨基酸序列	
种属	Human
分子量	90 kDa
额外的序列信息	Tagged at the N terminus of the ADRB2 with a DDDDK tag. The C terminus of the ADRB2 is linked to the N terminus of the G16 alpha with a His tag.

### 技术指标

Our [Abpromise guarantee](#) covers the use of **ab90339** in the following tested applications.

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

生物活性	Receptor expression level: 5.5 pmol/mg
应用	Functional Studies
形式	Liquid
补充说明	Receptor expression level: 5.5pmol/mg.

### 制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 75mM Tris HCl, 12.5mM Magnesium chloride, 1mM EDTA, pH 7.4 This product is an active protein and may elicit a biological response in vivo, handle with caution.
--------	---

## 常规信息

---

### 相关性

Beta 2 Adrenergic Receptor is a member of the G protein coupled receptor superfamily. This receptor is directly associated with one of its ultimate effectors, the class C L type calcium channel Ca(V)1.2. This receptor channel complex also contains a G protein, an adenylyl cyclase, cAMP dependent kinase, and the counterbalancing phosphatase, PP2A. The assembly of the signaling complex provides a mechanism that ensures specific and rapid signaling by this G protein coupled receptor. This gene contains no introns in either its coding or untranslated sequences. Different polymorphic forms, point mutations, and/or downregulation of this gene are associated with nocturnal asthma, obesity and type 2 diabetes. Expression of the beta 2 Adrenergic Receptor has been reported in adipose, blood, brain, heart, lung, nose, pancreas, skeletal muscle, skin, and vessel. Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. G proteins are composed of 3 units; alpha, beta and gamma. The alpha chain contains the guanine nucleotide binding site. This protein is the only heterotrimeric G protein with a restricted expression pattern in haematopoietic cells. Differentiation of promyelocytic cells leads to decreased expression of G alpha 16. It also serves as a marker for haematopoietic progenitor cells.

### 细胞定位

ADRB2: Cell Membrane G16a: Plasma membrane

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

## 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 <http://www.abcam.cn/abpromise> or contact our technical team.

## Terms and conditions

---

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