

## Product datasheet

# Mouse beta 1 Adrenergic Receptor peptide ab97424

### Overview

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**Product name** Mouse beta 1 Adrenergic Receptor peptide

### Description

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**Nature** Synthetic

### Amino Acid Sequence

**Species** Mouse

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab97424** 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-beta 1 Adrenergic Receptor antibody ([ab85037](#))

**Purity** 70 - 90% by HPLC.

**Form** Liquid

**Additional notes**

- First try to dissolve a small amount of peptide in either water or buffer. The more charged residues on a peptide, the more soluble it is in aqueous solutions.
- If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or buffer.
- Consider that any solvent used must be compatible with your assay. If a peptide does not dissolve and you need to recover it, lyophilise to remove the solvent.
- Gentle warming and sonication can effectively aid peptide solubilisation. If the solution is cloudy or has gelled the peptide may be in suspension rather than solubilised.
- Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior to use.

### Preparation and Storage

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**Stability and Storage** Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Information available upon request.

## General Info

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<b>Function</b>	Beta-adrenergic receptors mediate the catecholamine-induced activation of adenylate cyclase through the action of G proteins. This receptor binds epinephrine and norepinephrine with approximately equal affinity.
<b>Sequence similarities</b>	Belongs to the G-protein coupled receptor 1 family. Adrenergic receptor subfamily. ADRB1 sub-subfamily.
<b>Domain</b>	The PDZ domain-binding motif mediates competitive interactions with GOPC, MAGI3 and DLG4 and plays a role in subcellular location of the receptor.
<b>Post-translational modifications</b>	Homologous desensitization of the receptor is mediated by its phosphorylation by beta-adrenergic receptor kinase.
<b>Cellular localization</b>	Cell membrane. Localized at the plasma membrane. Found in the Golgi upon GOPC overexpression.

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

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