

Product datasheet

Mouse beta 1 Adrenergic Receptor peptide ab97424

Overview

Product name Mouse beta 1 Adrenergic Receptor peptide

Description

Nature Synthetic

Amino Acid Sequence

Species Mouse

Specifications

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

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

Function	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.
Sequence similarities	Belongs to the G-protein coupled receptor 1 family. Adrenergic receptor subfamily. ADRB1 sub-subfamily.
Domain	The PDZ domain-binding motif mediates competitive interactions with GOPC, MAGI3 and DLG4 and plays a role in subcellular location of the receptor.
Post-translational modifications	Homologous desensitization of the receptor is mediated by its phosphorylation by beta-adrenergic receptor kinase.
Cellular localization	Cell membrane. Localized at the plasma membrane. Found in the Golgi upon GOPC overexpression.

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