

## Product datasheet

# Mouse Angiopoietin 2 peptide ab9077

### Overview

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**Product name** Mouse Angiopoietin 2 peptide

### Description

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**Nature** Synthetic

#### Amino Acid Sequence

**Species** Mouse

**Sequence** NFRKSVDS TGRRQYQVQN GP (mouse)

**Amino acids** 21 to 40

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab9077** in the following tested applications.

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

**Form** Liquid

### 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.

PBS with 0.02% sodium azide

### General Info

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**Function** Can induce tyrosine phosphorylation of TIE2. Binds to TIE2 receptor and counteracts blood vessel maturation/stability mediated by angiopoietin-1. Its function may be context-dependent. In the absence of angiogenic inducers, such as VEGF, ANG2-mediated loosening of cell-matrix contacts may induce endothelial cell apoptosis with consequent vascular regression. In concert with VEGF, it may facilitate endothelial cell migration and proliferation, thus serving as a permissive angiogenic signal.

**Sequence similarities** Contains 1 fibrinogen C-terminal domain.

**Domain** The Fibrinogen C-terminal domain mediates interaction with the TEK/TIE2 receptor.

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

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