

Product datasheet

Human KIF5B peptide ab23262

Overview

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**Product name** Human KIF5B peptide

Description

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**Nature** Synthetic

**Amino Acid Sequence**

**Accession** [P33176](#)

**Species** Human

**Sequence** C-QPVAVRGGGGKQV

**Amino acids** 951 to 963

Specifications

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Our [Abpromise guarantee](#) covers the use of **ab23262** in the following tested applications.

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

**Applications** Blocking

**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.

General Info

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**Function** Microtubule-dependent motor required for normal distribution of mitochondria and lysosomes.

**Sequence similarities** Belongs to the TRAFAC class myosin-kinesin ATPase superfamily. Kinesin family. Kinesin subfamily.

Contains 1 kinesin motor domain.

**Domain** Composed of three structural domains: a large globular N-terminal domain which is responsible for the motor activity of kinesin (it hydrolyzes ATP and binds microtubule), a central alpha-helical coiled coil domain that mediates the heavy chain dimerization; and a small globular C-terminal

domain which interacts with other proteins (such as the kinesin light chains), vesicles and membranous organelles.

#### **Cellular localization**

Cytoplasm, cytoskeleton. Uniformly distributed between soma and neurites in hippocampal neurons.

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