

Product datasheet

Ezrin / Radixin / Moesin peptide ab204865

Description

Product name	Ezrin / Radixin / Moesin peptide
Purity	> 97 % HPLC.
Animal free	No
Nature	Synthetic
Sequence	RLGRDKYKTLRQIRQ

Specifications

Our **Abpromise guarantee** covers the use of **ab204865** in the following tested applications.

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

Applications	Functional Studies HPLC
Form	Lyophilized
Additional notes	ab204865 (Ezrin / Radixin / Moesin peptide) can be utilized as a substrate for the active protein kinase ab177261 (Active human LRRK2 protein fragment)

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle.
Reconstitution	Dilute peptide in 20mM Tris-HCl, pH 7.5 solution to a final concentration of 1 mg/ml. For optimal storage, aliquot diluted product into smaller quantities and store at recommended temperature.

General Info

Relevance	Ezrin is a cytoplasmic peripheral membrane protein and functions as a protein-tyrosine kinase substrate in microvilli. As a member of the ERM protein family, this protein serves as an intermediate between the plasma membrane and the actin cytoskeleton. This protein plays a key role in cell surface structure adhesion, migration and organization, and it has been implicated in various human cancers. A pseudogene located on chromosome 3 has been identified for this gene. Alternatively spliced variants have also been described for this gene. Radixin is a cytoskeletal protein that may be important in linking actin to the plasma membrane. It is highly
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similar in sequence to both ezrin and moesin. The radixin gene has been localized by fluorescence in situ hybridization to 11q23. A truncated version representing a pseudogene (RDXP2) was assigned to Xp21.3. Another pseudogene that seemed to lack introns (RDXP1) was mapped to 11p by Southern and PCR analyses. Moesin is a member of the ERM family which includes ezrin and radixin. ERM proteins appear to function as cross-linkers between plasma membranes and actin-based cytoskeletons. Moesin is localized to filopodia and other membranous protrusions that are important for cell-cell recognition and signaling and for cell movement.

Cellular localization

Cell Membrane, Cytoskeleton and Cytoplasmic

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