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DATASHEET

Vinculin

From smooth muscle (turkey gizzard)
(≥ 95% purity)

Quantity: 5x100µg
Cat. #: 8307-01

For Use in Research Only.
Not for Use in Diagnostic Processes.

Product Description

Vinculin (116kD, 1066 aa) is an actin-binding multiligand protein, interacting with phospholipids, signaling molecules and cytoskeletal proteins like talin, α-actinin and paxillin. It consists of an N-terminal four domain head connected to the single domain tail by a proline rich linker region. The vinculin head and tail region are capable to reversibly interact, leading to a closed or open conformation.

The protein concentration was determined by the Biuret method. Vinculin (100µg) is supplied as lyophilized powder containing 0.1M KCl, 10mM imidazole pH 7.4, 0.5mM DTT, 0.5mM EDTA and 0.6% disaccharides, when reconstituted with 100µl H_2O.

Product Handling

Preparation of a working stock

Add 100µl of H_2O to the tube containing vinculin to obtain a working stock of 1mg/ml. Leave the protein to rehydrate for 2min at room temperature and vortex vigorously and leave to rehydrate for 10min. Carefully pipette the solution up and down to dissolve possible remaining aggregates.

Clear the vinculin solution by subsequent centrifugation at 15,000xg, 5min, +4°C. Optionally the solution may be applied to a gel filtration column or be dialysed, to exchange buffer.

Product Storage and Stability

The highest product performance is achieved when stored at –70° upon arrival, where it will be stable for at least 6 months. Once dissolved, vinculin is kept on ice and will be stable for at least two weeks.

For product inquiries please contact:
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