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DATASHEET

Ubiquitin-ATTO565

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human, recombinant

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

Quantity: 1x 200 µg
Cat. #.: 8424-01

Product Description

Ubiquitin is a ubiquitous regulatory protein (8.5kDa) that can be conjugated to substrate proteins by subsequent actions of enzymes, such as: E1 - class of ubiquitin activating enzymes, E2 - class of Ubiquitin conjugating enzymes and E3- class of Ubiquitin ligases. All assays have to be optimized for the individual set up and it is recommended to start with initial concentration of Ubiquitin-ATTO565 of 0.01-0.5mM.

ATTO565-labeled Ubiquitin (λex 563nm, λem 592nm) has a molecular mass of 9.2 kDa and is used in general as a research tool or in high throughput assays (HTA) to monitor protein ubiquitination. The labelling method of the ubiquitin protein keeps all lysines functional and thus guarantees the full activity of the protein.

Product Handling

Preparation of a working stock

Example: add 200µl of ultrapure H_2O to the tube with ubiquitin and vortex for a few seconds to obtain a stock solution of 1mg/ml. After reconstitution with water, the protein should rehydrate for 2-10min on ice. Spin the tube at e.g. 5000 rpm, for 10 secs to concentrate the solution at the bottom of the tube.

This Ubiquitin-ATTO565 stock contains 20mM TES pH 7.4, 50mM KCl and 0.3% disaccharides, when reconstituted with 200 µl ultrapure water to obtain a 1mg/ml solution.

Product Storage and Stability

Store this product at –70° upon arrival, where it will be stable for at least 6 months. Once dissolved Ubiquitin is kept on ice protected from light and will be stable for at least 4 days. Avoid refreezing of Ubiquitin solutions.

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