



CAMBRIDGE
RESEARCH BIOCHEMICALS

Transporter peptides™

One of the principal difficulties in studying cell biology is the efficient delivery of test molecules across the membrane of eukaryotic cells. To overcome this limitation, CRB has introduced a new range of products called **Transporter Peptides™** that consist of well documented cell penetrating peptides (CPPs) preactivated with Cys(Npys) for ease of coupling to a cargo.

Cell Penetrating peptides

CPPs are short peptides which have the remarkable ability to transport into cytoplasm molecules that otherwise cannot cross the cell wall. They have been used to deliver small molecules such as peptides, organic substrates, PNA and are equally effective for large molecules like proteins and DNA.

As it is not always clear from the outset which CPP is best for a given cargo, CRB offers a range of CPPs for researchers to test. The peptides are sold individually or together in a cost-effective kit. Each peptide in CRB's range has been selected in consultation with an expert in the field for its excellent cell penetrating and cargo delivery properties.

Conjugation

For coupling to the CPP the cargo must contain a free thiol group. The reaction between the CPP and cargo is carried out in buffer at pH 4.5 – 7.0, and results in the formation of a disulphide bond between the two molecules. Once the conjugate enters the cell and is in a reducing environment, the disulphide is cleaved releasing the cargo.

Products

Product No.	Peptide	Quantity (mg)	Price (£)
SP-15-0030-01	H-Cys(Npys)-Penetratin 43-58	1	100
SP-15-0030-05	H-Cys(Npys)-Penetratin 43-58	5	400
SP-15-0031-01	H-Cys(Npys)-TAT 48-60	1	100
SP-15-0031-05	H-Cys(Npys)-TAT 48-60	5	400
SP-15-0032-01	H-Cys(Npys)-pVEC 615-632	1	100
SP-15-0032-05	H-Cys(Npys)-pVEC 615-632	5	400
SP-15-0033-01	H-Cys(Npys)-Transportan 10	1	100
SP-15-0033-05	H-Cys(Npys)-Transportan 10	5	400
SP-15-0034-01	H-Cys(Npys)-S413-PV	1	100
SP-15-0034-05	H-Cys(Npys)-S413-PV	5	400
SP-15-0035-01	H-Cys(Npys)-(Arg-Ahx-Arg) ₄ -NH ₂	1	100
SP-15-0035-05	H-Cys(Npys)-(Arg-Ahx-Arg) ₄ -NH ₂	5	400
CPP Kit 1	Kit containing 1mg of each peptide	1 kit	400



TRANSPORTER
PEPTIDES

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