

NF712 peptide

Catalogue number: 157649

Sub-type: Synthetic Peptide

Images:

Contributor

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Institute: University of Tartu

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: NF712 peptide

Alternate name: NickFect712

Class:

Conjugate:

Description: This peptide can be used to transport siRNA into cells. Use of cell-penetration peptides can increase the transport efficiency of extracellular synthetic nucleic acids, such as siRNAs, to help increase concentration of the siRNA at the desired cellular location. This peptide is based on NickFect55 (NF55) which is a peptide that can efficiently transport plasmid DNA into cells in vivo. To improve the efficiency of nucleic acid delivery, this peptide has been developed to improve the intracellular release mechanism resulting in higher local dosage of the cargo.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence: HHYHHGO(ILLKALKALAKAIL)

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes: There is an arachidyl (20-carbon) fatty acid chain attached to the N-terminus of the peptide. The sequence in brackets is attached to the sidechain amino group rather than the α -amino group.

Target details

Target: Other

Target alternate names:

Target background:

Molecular weight:

IC₅₀:

Applications

Application:

Application notes: There is an arachidyl (20-carbon) fatty acid chain attached to the N-terminus of the peptide. The sequence in brackets is attached to the sidechain amino group rather than the ω -amino group.

Handling

Format:

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Dry Ice

Related tools

Related tools:

References

References: Porosk et al. 2019. Biomater Sci. 7(10):4363-4374. PMID: 31411219.

CancerTools.org