

Fibronectin CS1 Peptide

Cat. No.: RP10838-1

Size: 1 mg

Alias: CS1 peptide of fibronectin

Description:

The connecting segment 1 (CS-1) is a cell attachment domain located in the type III homology connecting segment (III CS) of fibronectin. CS1 peptide of fibronectin, which lacks the Arg-Gly-Asp-containing domain, actively inhibits tumor metastases in spontaneous and experimental metastasis models. The use of Fibronectin CS1 Peptide might offer a promising therapeutic approach for combating and preventing cancer metastasis.

Sequence (one-letter code):

EILDVPST

Sequence (three-letter code):

{GLU}{ILE}{LEU}{ASP}{VAL}{PRO}{SER}{THR}

Solubility: The peptide is soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weigh out a smaller portion of the contents.

Formula: C₃₈H₆₄N₈O₁₅

Molecular Weight: 872.96

Purity: > 95%

Storage:

Before use, store the peptide in the DRY form at 0-5°C. For best and most repeatable results, rehydrate the peptide immediately before use. Do not re-freeze any unused portions.

Note: This peptide is part of the fibronectin receptor which is identical to the integrin receptor of α4 β1. It completely inhibits lymphocyte adhesion to CS1 and partially inhibits adhesion to intact fibronectin. The 38,000 Da fragment and has no effect on lymphocyte adhesion to an 80,000 Da fragment containing the RCDS adhesion null.

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