

## **RGD Peptide**

**Subcategory:** Synthetic Peptide

**Cat. No.:** 350362

**Unit:** 10 mg

**Description:**

The RGD peptide is the binding motif of fibronectin to cell adhesion molecules. RGD peptide acts as an inhibitor of integrin-ligand interactions and can induce apoptosis in the absence of signals and integrin-mediated cell clustering. Research demonstrates that RGD peptides promote apoptosis through activation of conformation changes that enhance pro-caspase-3 activation and autoprocessing. The RGD peptide can serve as a cell adhesion site of extracellular matrix, cell surface proteins, and integrins. In addition, RGD peptide can inhibit ACK-2 activation through cell adhesion.

**Format:** Each vial contains 5 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

**Alternate Names:** Fibronectin; Arg-Gly-Asp; RGD

**Accession No.:** P02751

**MW:** 346.3 g/mol

**Sequence:** H-Arg-Gly-Asp-OH or H-RGD-OH

**Composition:** C<sub>12</sub>H<sub>22</sub>N<sub>6</sub>O<sub>6</sub>

**Purity:** Purity > 95% by HPLC

**Solubility:** Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

**Storage:** Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, aliquot and store at -20°C.

**Product Citations:** Bedal K. et al. 2014. PLOS. 9(1) e86777. PMID# 24466237.

For research use only, not for diagnostic or therapeutic procedures.