
Certificate of Analysis

IGF-1Rtide

Catalog # 12-527

Lot # 0701050470

Product Description: Synthetic peptide (Ac-KKK SPGEYVNIEFG-NH₂) corresponding to amino acids 1-14 of Chain B of the IGF-1R. Use at 250 μ M final concentration as the substrate for *in vitro* IGF-1R kinase assays.

Molecular Weight: 1637 Daltons

Purity: \geq 90% as determined by HPLC.

Formulation: 1 mg peptide lyophilized from 1 ml sterile, distilled water. Lyophilized powder.

Rehydration: Rehydrate in either sterile, distilled water or kinase reaction buffer.

Storage and Stability: Lyophilized: Stable for 2 years at -20°C from date of shipment. Rehydrated: Stable for 6 months at -20°C. Aliquot rehydrated solution to avoid repeated freezing and thawing.

**FOR RESEARCH USE ONLY
NOT FOR USE IN HUMANS**

Quality Control Testing

Analytical Tests: Peptide identity confirmed by MALDI-ToF MS and Amino Acid analysis.

Research Applications

Kinase Assay: Substrate for IGF-1R (Δ 1-958), active (Catalog # 14-465) and Flt1, active (Catalog # 14-562).

Reference:

1. Favelyukis, S., *et al.*, Nature Struct. Biol. **8**: 1058-1063, 2001.