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## Certificate of Analysis

### IGF-1Rtide

Catalog # 12-527

Lot # 32308

**Product Description:** Synthetic peptide (KKK SPGEYVNIEFG) corresponding to amino acids 1-14 of Chain B of the IGF-1R. Use at 250 $\mu$ 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:** 1mg peptide lyophilized from 1ml 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**

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### Quality Control Testing

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

### Research Applications

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

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### Reference:

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