



cell signaling solutions

Certificate of Analysis

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IGF-1Rtide

Catalog # 12-527

Lot # 24665

Product Description: Synthetic peptide (KKKSPGEYVNIEFG) corresponding to amino acids 1-14 of Chain B of the IGF-1R. MW = 1637 Daltons.

Application: Use at 250 μ M final concentration as the substrate for *in vitro* IGF-IR kinase assays.

Purity: 79% 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: Stable for 2 years at -20°C from date of shipment. Upon reconstitution, aliquot to prevent multiple freeze-thaw cycles and store at -20°C.

**FOR IN VITRO RESEARCH USE ONLY
NOT FOR USE IN HUMANS OR ANIMALS**

Quality Control Testing and Research Applications

Protein Kinase Assay: At 250 μ M, this lot was successfully phosphorylated by IGF-1R (Catalog # 14-465). Assay results show a >40-fold increase in phosphate transferred to the peptide over background using 250ng of enzyme.

Reference:

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