
Certificate of Analysis

IGF-1Rtide

Catalog # 12-527

Lot # 29910

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

Application: Use at 250µM final concentration as the substrate for *in vitro* IGF-1R kinase assays.

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

Quality Control Testing and Research Applications

Protein Kinase Assay: At 250µM, this lot was successfully phosphorylated by IGF-1R (Δ1-958), active (Catalog # 14-465). Assay results show a >20-fold increase in phosphate transferred to the peptide over background using 500ng of enzyme.

Reference:

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