

Synthetic Duality tyrosine-(Y)-phosphorylation Regulated Kinase Substrate (KKISGRLSPIMTEQ) Peptide

Catalog No. CSI13619 **Quantity:** 1.0 mg

Description: The synthetic peptide KKISGRLSPIMTEQ can be used as a substrate for DYRK family kinases in in vitro kinase assays. The peptide corresponds to residues 324-334 of transcription factor FKHR with two lysine residues added at the N-terminus to facilitate binding to phosphocellulose paper.

DYRK2, a dual-specificity tyrosine-(Y)-phosphorylation regulated kinase gene, demonstrate the highest mRNA overexpression level among the genes tested in gastroesophageal and lung denocarcinomas.

Protein kinase(s) from the DYRK family (dual specificity tyrosine phosphorylated and regulated kinase) may be involved in a new mechanism for the regulation of glycogen synthesis.

Molecular Weight: 1588 g/mol

Formulation: Lyophilized.

Purity: 90 - 95% by HPLC.

Amino Acid Sequence: KKISGRLSPIMTEQ

Reconstitution: Reconstitute in ddH₂O.

Storage & Stability: Store at -20°C for up to 1 year. **Avoid freeze/thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

