

Syntide 2 Peptide

Subcategory: Synthetic Peptide

Cat. No.: 350400

Unit: 1 mg

Description:

Syntide 2 Peptide is a synthetic peptide recognized as a substrate by the Protein Kinase II (CaMKII or Ca²⁺/calmodulin-dependent protein kinase II) enzymes. The sequence of Syntide 2 is derived from the phosphorylation site 2 in the Glycogen synthase sequence. Syntide 2 has been used as a probe to assay localization of CaMKII activity and to study the effects of point mutations on phosphorylation activity. Numerous kinase enzymes including CaMKV and Raf-1 are reported to recognize Syntide 2 as a substrate.

Format: Each vial contains 1 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: Calmodulin-dependent protein kinase substrate; Ca²⁺/calmodulin kinase II substrate; Syntide 2; Syntide-2; CAS 108334-68-5; Glycogen [starch] synthase; EC 2.4.1.11; GYS1; GYS

Accession No.: P13834

MW: 1507.85 g/mol

Sequence: Rabbit: H-Pro-Leu-Ala-Arg-Thr-Leu-Ser-Val-Ala-Gly-Leu-Pro-Gly-Lys-Lys-OH or H-PLARTLSVAGLPGKK-OH

Composition: C₆₈H₁₂₂N₂₀O₁₈

Purity: Purity > 95% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, aliquot and store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.