

mSIRK

Cat. No.:	HY-P5985
CAS No.:	593267-11-9
Molecular Formula:	C ₉₃ H ₁₅₀ N ₂₀ O ₂₅
Molecular Weight:	1948.31
Sequence:	{Myr}-Ser-Ile-Arg-Lys-Ala-Leu-Asn-Ile-Leu-Gly-Tyr-Pro-Asp-Tyr-Asp
Sequence Shortening:	{Myr}-SIRKALNILGYPDYD
Target:	ERK
Pathway:	MAPK/ERK Pathway; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

mSIRK (G-Protein βγ Binding Peptide) is a cell-permeable activator of ERK1/2, with EC₅₀ of 2.5-5 μM. mSIRK disrupts the interaction between α and βγ subunits and promotes α subunit dissociation without stimulating nucleotide exchange^[1].

REFERENCES

[1]. Farida Goubaeva, et al. Stimulation of Cellular Signaling and G Protein Subunit Dissociation by G Protein βγ Subunit-binding Peptides. J Biol Chem. 2003 May 30;278(22):19634-41.

Caution: Product has not been fully validated for medical applications. For research use only.

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