

Hexokinase II VDAC binding domain peptide

Cat. No.:	HY-P10108
Molecular Formula:	C ₁₈₈ H ₂₉₀ N ₅₂ O ₄₁ S ₂
Molecular Weight:	3998.77
Sequence:	Arg-Gln-Ile-Lys-Ile-Trp-Phe-Gln-Asn-Arg-Arg-Met-Lys-Trp-Lys-Lys-Met-Ile-Ala-Ser-His-Leu-Leu-Ala-Tyr-Phe-Phe-Thr-Glu-Leu-Asn
Sequence Shortening:	RQIKIWFQNRMRMKWKKMIASHLLAYFFTELN
Target:	Hexokinase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Hexokinase II VDAC binding domain peptide (Hxk2VBD peptide) is a cell-permeable hexokinase II VDAC binding domain. Hexokinase II VDAC binding domain peptide inhibits mitochondrial localization of hexokinase 2 (HXK2). Hexokinase II VDAC binding domain peptide inhibits neurotrophic factor-directed axon outgrowth^[1].

REFERENCES

[1]. Sun J, et al. aFGF alleviates diabetic endothelial dysfunction by decreasing oxidative stress via Wnt/ β -catenin-mediated upregulation of HXK2. *Redox Biol.* 2021 Feb;39:101811.

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

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