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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CPT2

Cat. No.:	HY-108433
CAS No.:	1670277-66-3
Target:	Apoptosis; MDM-2/p53
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

CPT2

BIOLOGICAL ACTIVITY

Description

CPT2 (Carnitine palmitoyltransferase 2), an enzyme that participates in fatty acid oxidation, also is a colorectal cancer (CRC) prognostic biomarker. CPT2 overexpression can activate p-p53 to increase p53 expression, thereby inhibiting tumor proliferation and promoting apoptosis. CPT2 deficiency results in the most common inherited disorder of long-chain fatty acid oxidation affecting skeletal muscle. Downregulation of CPT2 is also highly correlated with the progression of various cancers and has potential for cancer research^{[1][2]}.

REFERENCES

- [1]. Liu F, et al. Downregulation of CPT2 promotes proliferation and inhibits apoptosis through p53 pathway in colorectal cancer. *Cell Signal*. 2022 Apr;92:110267.
- [2]. Joshi PR, et al. Muscle Carnitine Palmitoyltransferase II (CPT II) Deficiency: A Conceptual Approach. *Molecules*. 2020 Apr 13;25(8):1784.

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

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