

Cat#: SP-89725-5
Description: Tyrosinase (206-214) (human) (AA: Ala-Phe-Leu-Pro-Trp-His-Arg-Leu-Phe) (MW: 1186.44)
Size: 5 mg
Purity: >95%
Form: Powder
Store: Desiccated at -20oC.

Tyrosinase is a copper-containing oxidase in the melanosomes that functions in the formation of pigments such as melanins and other polyphenolic compounds from tyrosine. Catalyzes the rate-limiting conversions of tyrosine to DOPA, DOPA to DOPA-quinone and possibly 5,6-dihydroxyindole to indole-5,6 quinone. A mutation in the tyrosinase gene resulting in impaired tyrosinase production leads to type I oculocutaneous albinism. Decreasing tyrosinase activity has been targeted for the betterment or prevention of conditions related to the hyperpigmentation of the skin, such as melasma and age spots.

References

Kumar CM., (2010). Biochimie 93 (3): 562–9. Barton DE., (1988). Genomics 3 (1): 17–24. Witkop CJ (1979). Ala J Med Sci 16 (4): 327–30. Ando, Hideya., (2007). Journal of Investigative Dermatology 127: 751–761.

Related items

SP-89723-5 Tyrosinase (192-200) (human, mouse) (AA: Ser-Glu-Ile-Trp-Arg-Asp-Ile-Asp-Phe) (MW: 1180.29)
SP-89725-5 Tyrosinase (206-214) (human) (AA: Ala-Phe-Leu-Pro-Trp-His-Arg-Leu-Phe) (MW: 1186.44)
SP-89726-5 Tyrosinase (243-251) (human) (AA: Lys-Cys-Asp-Ile-Cys-Thr-Asp-Glu-Tyr) (MW: 1089.20)

SP-89725-5

120417V

All peptides are for in vitro research use only.

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
Email: customerservice@lifetechindia.com Website: www.lifetechindia.com