

Tyrosinase(243 - 251),core nonamer sequence
Synthetic Peptide
Catalog # SP2282b

Specification

Tyrosinase(243 - 251),core nonamer sequence - Product Information

Primary Accession [P14679](#)
Other Accession [Q9BDE0](#)
Sequence **NH2-KCDICTDEY-COOH**

Tyrosinase(243 - 251),core nonamer sequence - Additional Information

Gene ID 7299

Other Names

Tyrosinase, LB24-AB, Monophenol monooxygenase, SK29-AB, Tumor rejection antigen AB, TYR

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Tyrosinase(243 - 251),core nonamer sequence - Protein Information

Name TYR ([HGNC:12442](#))

Function

This is a copper-containing oxidase that functions in the formation of pigments such as melanins and other polyphenolic compounds. Catalyzes the initial and rate limiting step in the cascade of reactions leading to melanin production from tyrosine (By similarity). In addition to hydroxylating tyrosine to DOPA (3,4- dihydroxyphenylalanine), also catalyzes the oxidation of DOPA to DOPA-quinone, and possibly the oxidation of DHI (5,6-dihydroxyindole) to indole-5,6 quinone (PubMed:28661582).

Cellular Location

Melosome membrane; Single-pass type I membrane protein. Melosome {ECO:0000250|UniProtKB:P11344}. Note=Proper trafficking to melosome is regulated by SGSM2, ANKRD27, RAB9A, RAB32 and RAB38 {ECO:0000250|UniProtKB:P11344}

Tyrosinase(243 - 251),core nonamer sequence - Images