

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

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

Primary Accession	<a href="#">P14679</a>
Other Accession	<a href="#">Q9BDE0</a>
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:<a href="http://www.uniprot.org/citations/28661582" target="\_blank">28661582</a>).

**Cellular Location**

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

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