10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

[Asn370] tyrosinase (368 - 376)

Synthetic Peptide
Catalog # SP2477a

Specification

[Asn370] tyrosinase (368 - 376) - Product Information

Primary Accession	P14679
Other Accession	Q9BDE0, P54834, Q8MIU0
Sequence	**NH2-YMNGTMSQV-COOH**

[Asn370] tyrosinase (368 - 376) - 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.

[Asn370] tyrosinase (368 - 376) - 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
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}

[Asn370] tyrosinase (368 - 376) - Images