
Asp371 Tyrosinase [369-377] Peptide

Subcategory: Synthetic Peptide

Cat. No.: 350002

Unit: 1 mg

Description:

The peptide is a tumor antigenic peptide that activates antigen-presenting cells (APC) and is displayed on melanoma tumor cells. The sequence corresponds to the mutated N371D glycosylation site analog within residues 369-377 of human tyrosinase (TYR). The TYR enzyme is an oxidase that is involved in the formation of pigments such as melanins and other polyphenolic compounds by tyrosine conversion. TYR defects are the cause of oculocutaneous albinism, characterized by the absence of pigment in hair, skin and eyes.

Format: Each vial contains 1 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: Tyrosinase; Monophenol monooxygenase; Tumor rejection antigen AB; SK29-AB; LB24-AB; TYR

Accession No.: P14679

MW: 1031.2 g/mol

Sequence: Tyr-Met-Asp-Gly-Thr-Met-Ser-Gln-Val or YMDGTMSQV

Composition: C42H66N10O16S2

Purity: Purity > 95% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, aliquot and store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.