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AR05225PU-L

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Carnosine

Catalog No.: AR05225PU-L

Quantity: 1 mg

Concentration: 1.0mg/ml

Background: Carnosine is a dipeptide composed of the amino acids, histidine and alanine. It is found in relatively high concentrations in several body tissues - most notably in skeletal muscle, heart muscle, and brain. The exact biological role of carnosine is not entirely understood. However, animal studies have demonstrated that carnosine possesses strong and specific antioxidant properties, protects against radiation damage, improves the function of the heart, and promotes wound healing. Carnosine has been suggested to be the water-soluble counterpart to vitamin E in protecting cell membranes from oxidative damage. Other suggested roles for carnosine include actions as a neurotransmitter, modulator of enzyme activities, and chelator of heavy metals.

Format: **State:** Lyophilised purified protein
Reconstitution: 1.0ml distilled water containing 0.1% merthiolate.

Applications: Immunohistochemistry on frozen and paraffin sections.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description: Carnosine.

Storage: Store the protein at -20°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.