

Creative Enzymes®

Recombinant Human Hyaluronidase PH20

Catalog Number NATE-1923

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Description

Recombinant Human Hyaluronidase PH20 belongs to a family of enzymes that catalyze the degradation of hyaluronic acid (HA). The enzyme is effective to hyaluronic acid in the extracellular matrix (ECM) and promote the diffusion of extracellular substances.

Product Information

Cat No. NATE-1923

EC No. EC 3.2.1.35

CAS No. 37326-33-3

Species: Human

Source: CHO

Purity: ≥99%

Activity: ≥12,000 IU/vial

Endotoxin: ≤10 EU/ml

Storage: -20 °C

Control Tests: Laboratory of QC

Appearance: Sterile lyophilized powder, dissolved in pure water to form a clear, colorless to pale yellow solution. Must not contain visible insoluble matter.

Highlights

Creative Enzymes® Hyaluronidase PH20 shows several advantages over similar products on the market:

	Creative Enzymes® HAase PH20	Similar Products on the Market
Species	Human	Animal
Source	CHO cell	Testis
Technology	Recombinant DNA	Extraction
Purity	≥99%	Low

Applications

Oncology

- PH20 degrades HA in tumor cells coating, which may result in the inhibition of tumor cell growth.
- Enzymatic degradation of ECM HA with PH20 is associated with remodeling of the tumor stroma, reduction of tumor interstitial fluid pressure, and expansion of tumor blood vessels, resulting in facilitated delivery of anti-cancer agents.

Pharmacokinetics

- PH20 hydrolyzes hyaluronic acid and increases diffusion of injected drugs, thus facilitating their absorption.
- PH20 can be used as an adjunct in subcutaneous urography to improve resorption of radiopaque agents.

Scientific Research

- ELISA; SDS-PAGE; Western blot.

Note: Our products are not intended for private therapeutic use!

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Contact Information

