Recombinant Human Hyaluronidase PH20 belongs to a family of enzymes that catalyze the degradation of hyaluronic acid (HA). This enzyme is effective in hyaluronic acid in the extracellular matrix (ECM) and promotes 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
- **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:

<table>
<thead>
<tr>
<th>Creative Enzymes® HAase PH20</th>
<th>Similar Products on the Market</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Species</strong></td>
<td>Human</td>
</tr>
<tr>
<td><strong>Source</strong></td>
<td>CHO cell</td>
</tr>
<tr>
<td><strong>Technology</strong></td>
<td>Recombinant DNA</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>≥99%</td>
</tr>
</tbody>
</table>

**Applications**

- **Oncology**: PH20 degrades HA in tumor cell 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 matrix, 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, which 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!