



## RayBiotech, Inc.

3607 Parkway Lane suite 200  
Norcross, GA 30092  
Tel: 770-729-2992, 1-888-494-8555  
Fax: 770-206-2393  
Website: [www.raybiotech.com](http://www.raybiotech.com)  
Email: [info@raybiotech.com](mailto:info@raybiotech.com)

# Certificate of Analysis and Data Sheet NATIVE CARICA PAPAYA PAPAIN

**Catalog No.**  
DS-01-0352

**Species**  
Plants

## Description

Papain from carica papaya latex

## Formulation

- **Product Form:** Purified Protein - lyophilized
- **Reconstitution:** Reconstitute with sterile distilled water
- **Buffer solution:** Sodium chloride and sodium acetate
- **Preservative Stabilizer:** See buffer solution
- **Approx. Protein Concentrations:** >80% (Biuret)
- **Molecular Weight:** 23.4 kDa
- **Activity:** 12 U/mg protein
- **Note:** One unit will hydrolyze 1.0  $\mu$ mole of N-alpha-Benzoyl-L-arginine ethyl ester (BAEE) per minute at pH 6.2 at 25°C

## Storage

- Store at -20 °C only.
- Storage in frost-free freezers is not recommended. This product should be stored undiluted. If product contains a precipitate we recommend microcentrifugation before use. **Avoid repeated freezing and thawing as this may denature the protein.**
- **Shelf Life:** 18 months from date of shipment.

## Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Functional Assays	•			

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**