Trypsin, Human Pancreas

CATALOG #: 7292-50  50 µg

ALTERNATE NAMES: Beta-trypsin, Cationic trypsinogen, Serine protease 1, Trypsin I, PRSS1, TRP1, TRY1, TRYP1

SOURCE: Human Pancreas. Shown to be non-reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

PURITY: ≥ 95% by SDS-PAGE

MOL. WEIGHT: 21-23 kDa

EXTINCTION COEFFICIENT: 1.45

FORM: Lyophilized

FORMULATION: Lyophilized from 2 mM HCl.

STORAGE CONDITIONS: Store at -20°C or lower. Avoid repeated freezing and thawing cycles.

DESCRIPTION: Trypsin hydrolyzes peptides, amides, and ester bonds involving the carboxyl groups of L-arginine or L-lysine. Increased serum values of this enzyme and/or its zymogen (trypsinogen) have been found in patients with cystic fibrosis. Trypsinogen has three isoforms: cationic (trypsinogen 1), anionic (trypsinogen 2, MW - 22.5 kDa), and mesotrypsinogen (trypsinogen 3, MW - 25 kDa). The trypsin available from BioVision is the cationic form.

ACTIVITY: 2.5 units per mg protein. One unit is defined as the amount of enzyme that hydrolyzes one µmole of N-benzoyl-DL-arginine-pNA per minute at 25°C in 200 mM Tris-HCl, pH 7.8, with 20 mM CaCl₂.

RELATED PRODUCTS:
- Trypsin Activity Colorimetric Assay Kit (Cat. No. K771-100)
- Alpha 1 Antichymotrypsin, Human Plasma (Cat. No. 7293-1000)
- Alpha 1 Antitrypsin, Human Plasma (Cat. No. 7294-1000)

FOR RESEARCH USE ONLY! Not to be used in humans.