

Native Chymase from Human

Product Information

Cat#	NATE-1023
Synonyms	Purified native human chymase reagent
CAS No.	97501-92-3
Enzyme Commission Number	EC 3.4.21.39
Size	5 U
Descriptions	Chymase is a proteolytic enzyme found primarily in mast cells (MCs), fibroblasts, and vascular endothelial cells. In response to inflammatory signals, tissue damage, and cellular stress, chymase is released into the extracellular matrix. Chymase also plays a role in the production of angiotensin II (Ang II) and is studied in the context of cardiovascular disease.
Applications	Chymase is used as a reference standard and immunogen for chymase immunoassay kit development, supporting quantitative detection for diagnosis of allergic diseases, bronchial asthma and mast cell activation disorders.
Source	Human skin mast cells
Form	Supplied as a liquid in 50 mM sodium acetate buffer, pH 5.0, with 1 M sodium chloride.
Purity	≥ 95% by SDS-PAGE and gel diffusion
Activity	150-170 U/mg protein
Unit Definition	One enzyme unit hydrolyzes 1.0 μmol of N-Benzoyl-L-Tyrosine-Ethyl-Ester (BTEE) per minute at pH 7.8 and 25 °C.
Storage	Store at -20°C, close container well.
Shelf Life	1 year