

Bioactive

Trypsin, Irradiated

Catalog # P5259 Size 100 mg

Specification

Product Description	Lyophilized. 0.22um filtered. TPCK treated. Mycoplasma and extraneous virus free.
Biological function	Trypsin is a pancreatic serine protease with substrate specificity based upon positively charged lysine and arginine side chains. It is derived from inactive precursor zymogen, trypsinogen.
Host	Bovine
Form	Lyophilized
Preparation Method	Native protein chromatographically purified from Bovine Pancreas
Activity	≥ 180 TAME units per mg protein. TAME Unit: One Unit hydrolyzes 1 umole of p-toluene-sulfonyl-L-arginine methyl ester (TAME) per minute at 25°C, pH 8.2, in the presence of 10 mM calcium.
Recommend Usage	Tissue dissociation (combined with other enzymes); Cell harvesting by trypsinization; Mitochondria isolation; in vitro studies of proteins; Various hemagglutination procedures; Sample preparation for flow cytometric DNA analysis; Tryptic mapping; Fingerprinting and sequencing work; Environmental monitoring; Subculturing cells; Cleavage fusion proteins; Generating glycopeptides from purified glycoproteins.
Storage Instruction	Store at 4°C.

Applications

- Enzyme Activity

Gene Info — PRSS2

Entrez GeneID [282603](#)

Protein Accession# [Q29463](#)

Gene Name	PRSS2
Gene Alias	TRYP8
Gene Description	protease, serine, 2 (trypsin 2)
Gene Ontology	Hyperlink
Gene Summary	-
Other Designations	pancreatic anionic trypsinogen protease, serine, 2

Gene Info — PRSS1

Entrez GeneID	615237
Protein Accession#	Q29463
Gene Name	PRSS1
Gene Alias	TRY1
Gene Description	protease, serine, 1 (trypsin 1)
Gene Ontology	Hyperlink
Gene Summary	-
Other Designations	trypsin X3

Publication Reference

- [MiR-124-3p reduces angiotensin II-dependent hypertension by down-regulating EGR1.](#)

Lingchun Lv, Jiayi Shen, Jian Xu, Xiaoyan Wu, Chunlai Zeng, Li Lin, Wei Mao, Tiemin Wei.

Journal of Human Hypertension 2021 Aug; 35(8):696.

Application: Flow Cyt, Func, Human, HUVECs