

Native Bovine Anhydrotrypsin

Cat. No. LOC780933-1B **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Bovine
Source	Bovine pancreas
Description	Treatment of trypsin with phenylmethylsulfonyl fluoride (PMSF) followed by a strong base leads to the conversion of Serine 195 to dehydroalanine at the active site. Alpha and beta forms of anhydrotrypsin are separated by immobilized soybean trypsin inhibitor. The activity of anhydrotrypsin is greatly reduced compared to native trypsin as quantified by chromogenic substrate. Anhydrotrypsin provided by our company is the single chain beta-form prepared from Type XIII bovine trypsin.
Form	Frozen liquid
Molecular Mass	23,300
Purity	>95% by SDS-PAGE analysis
Usage	For in vitro laboratory use only
Notes	Optimal experimental conditions and working dilutions must be determined by the end user. Sample concentration and volume are for example purposes only and do not necessarily represent the product that will be received. Please contact us for a current lot-specific product datasheet.

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Storage	-70°C
Concentration	2.0 mg/ml
Storage Buffer	1mM HCl; 10mM CaCl ₂
Shipping	Dry ice

GENE INFORMATION

Gene Name	LOC780933 cationic trypsin [Bos taurus]
Official Symbol	LOC780933
Synonyms	cationic trypsinbeta-trypsin; trypsin, beta
Gene ID	780933
mRNA Refseq	NM_001113727
Protein Refseq	NP_001107199
UniProt ID	P00760
Chromosome Location	chromosome: 4
Pathway	Influenza A, organism-specific biosystem; Influenza A, conserved biosystem; Neuroactive ligand-receptor interaction, conserved biosystem
Function	metal ion binding; protein binding; serine-type endopeptidase activity

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