

Trypsin-1 Human Recombinant

Item Number	rAP-4992
Synonyms	Protease Serine 1 (Trypsin 1), TRY1, Cationic Trypsinogen, TRP1, TRYP1, TRY4, beta-trypsin, Digestive Zymogen, Nonfunctional Trypsin 1, Trypsinogen 1, Trypsinogen A, EC 3.4.21.4.
Description	Trypsin-1 Human Recombinant produced in CHO cells is a 24.1kDa single polypeptide chain consisting of 224 amino acids.
Uniprot Accession Number	P07477
Amino Acid Sequence	IVGGYNCEEN SVPYQVSLNS GYHFCGGSLI NEQWVVSAGH CYKSRIQVRL GEHNIEVLEG NEQFINAAKI IRHPQYDRKT LNNDIMLIK LSSRAVINARV STISLPTAPP ATGTKCLISG WGNTASSGAD YPDELQCLDA PVLSQAKCEA SYPGKITSNM FCVGFLEGGK DSCQGDSSGP VVCNGQLQGV VSWG DGCAQK NKPGVYTKVY NYVKWIKNTI AANS.
Source	Chinese Hamster Ovary cells.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	The Trypsin-1 filtered 0.22um solution contains 20mM TRIS-HCl buffer pH 7.2. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	1 unit hydrolyzes 1 μmole of Na-Benzoyl-D,L-arginine 4-nitroanilide (BANI) per minute at 37°C, pH 8.0, in the presence of 10mM calcium. The specific activity is >1,000 Units per mg protein as measured under the described conditions.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**