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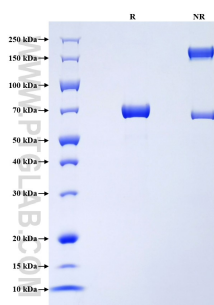
Recombinant Rat Carboxypeptidase A protein (rFc Tag)



Catalog Number: Eg3276

Basic Information	Species: Rat	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/ µg protein, LAL method Source: HEK293-derived Rat Carboxypeptidase A protein Asn17-Tyr419 (Accession# P00731) with a rabbit IgG Fc tag at the C-terminus. GeneID: 24269 Accession: P00731 Predicted Molecular Mass: 71.7 kDa SDS-PAGE: 65-75 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	Carboxypeptidase A (CPA) is a well-studied enzyme in rats, with significant implications in various biological processes. A novel rat carboxypeptidase, CPA2, was identified from the predicted amino acid sequence of a rat pancreatic cDNA clone. Evolutionary trees built from the amino acid sequences of known pancreatic carboxypeptidases show that CPA2 and carboxypeptidase A1 (CPA1) are products of genes that duplicated before the mammalian radiation. Carboxypeptidases have been implicated in various diseases.		
References	1. Uratani Y, Takiguchi-Hayashi K, et al. (2000) Biochem J. 346 Pt 3(Pt 3):817-26. 2. Bodwell JE, Meyer WL. (1981) Biochemistry. 20(10):2767-77. 3. Lützel Schwab C, et al. (1997) J Exp Med. 185(1):13-29.		
Synonyms	Carboxypeptidase A1, Cpa, Cpa1, EC:3.4.17.1		

Selected Validation Data



Purity of Recombinant Rat Carboxypeptidase A was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.