Recombinant Rat Carboxypeptidase B2 (Cpb2)

Product Code	CSB-YP872122RA
Abbreviation	Cpb2
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9EQV9
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	ASSSYYE QYHSLNEIYS WIEVITEQHP DMLQKIYIGS SYEKYPLYVL KVSGKEHRVK NAIWIDCGIH AREWISPAFC LWFIGYVTQF HGKENTYTRL LRHVDFYIMP VMNVDGYDYT WKKNRMWRKN RSVHMNNRCV GTDLNRNFAS KHWCEKGASS FSCSETYCGL YPESEPEVKA VADFLRRNIN HIKAYISMHS YSQQILFPYS YNRSKSKDHE ELSLVASEAV RAIESINKNT RYTHGSGSES LYLAPGGSDD WIYDLGIKYS FTIELRDTGR YGFLLPERFI KPTCAEALAA VSKIAWHVIR NS
Source	Yeast
Target Names	Cpb2
Protein Names	Recommended name: Carboxypeptidase B2 EC= 3.4.17.20 Alternative name(s): Carboxypeptidase R Short name= CPR Carboxypeptidase U Short name= CPU Thrombin-activable fibrinolysis inhibitor Short name= TAFI
Expression Region	114-422
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	Carboxypeptidases are enzymes that hydrolyze C-terminal peptide bonds. The carboxypeptidase family includes metallo-, serine, and cysteine carboxypeptidases. According to their substrate specificity, these enzymes are referred to as carboxypeptidase A (cleaving aliphatic residues) or carboxypeptidase B (cleaving basic amino residues). This protein is activated by trypsin and acts on carboxypeptidase B substrates. After thrombin activation, the mature protein downregulates fibrinolysis. Polymorphisms have been described for this gene and its promoter region. Available sequence data analyses indicate splice variants that encode different isoforms.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final

	concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.