



Human CPB2 peptide (DAG-P0198)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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). The protein encoded by this gene 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. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	CPB2 carboxypeptidase B2 (plasma) [Homo sapiens (human)]
Official Symbol	CPB2
Synonyms	CPB2; carboxypeptidase B2 (plasma); CPU; PCPB; TAFI; carboxypeptidase B2; carboxypeptidase R; carboxypeptidase B-like protein; thrombin-activable fibrinolysis inhibitor; thrombin-activatable fibrinolysis inhibitor; carboxypeptidase B2 (plasma, carboxypeptidase U);
Entrez Gene ID	1361

mRNA Refseq	NM_001278541.1
Protein Refseq	NP_001265470.1
UniProt ID	Q96IY4
Chromosome Location	13q14.11
Pathway	Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Metabolism of Angiotensinogen to Angiotensins, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Pancreatic secretion, organism-specific biosystem; Pancreatic secretion, conserved biosystem; Peptide hormone metabolism, organism-specific biosystem; Protein digestion and absorpti
Function	metallocarboxypeptidase activity; zinc ion binding;