

32-7409: Recombinant Human Carboxypeptidase B/CPB1 (C-6His)

Gene : CPB1
Gene ID : 1360
Uniprot ID : P15086

Description

Source: Human Cells.
MW :46.94kD.

Recombinant Human Carboxypeptidase B is produced by our Mammalian expression system and the target gene encoding His16-Tyr417 is expressed with a 6His tag at the C-terminus. Carboxypeptidase B1 is an exopeptidase which specifically cleaves the C-terminal Arg and Lys residues with a preference for Arg. Expressed mainly in pancreas, CPB1 is a useful serum marker for acute pancreatitis and pancreatic graft rejection. Human CPB1 consists of a signal peptide, a pro region, and a mature chain. The purified rhCPB1 corresponds to the pro form, which can be activated by trypsin, the only pancreatic protease capable of generating active enzyme from the zymogen in vitro.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM MES, 150mM NaCl, pH 5.5.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : HHGGEHFEGEKVFRVNVEDENHINIIRELASTTQIDFWKPDSVTQIKPHSTVDFRVKAEDTVTVENVLKQNELQ
YKVLISNLRNVVEAQFDSRVRATGHSYEKYNKWETIEAWTQQVATENPALISRSVIGTTFEGRAIYLLKVGKAGQ
NKPAIFMDCGFHAREWISPAFCQWVREAVRTYGREIQVTELLDKLDFYVLPVNLNIDGYIYTWTKSRFWRKTRS
THTGSSCIGTDPNRNFDAGWCEIGASRNPCDETYCGPAAESEKETKALADFIRNKLSSIKAYLTIHSYSQMMIYP
YSYAYKLGENNAELNALAKATVKELASLHGTYGPGATTIYPAAAGGSDWAYDQGIYRSFTFELRDTGRYGF
LLPESQIRATCEETFLAIKYVASYVLEHLYVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.