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32-8490: Recombinant Mouse Carboxypeptidase A4/CPA4 (C-6His)

Gene : Cpa4
Gene ID : 71791
Uniprot ID : Q6P8K8

Description

Source: Human Cells.
MW :46.7kD.
Recombinant Mouse Carboxypeptidase A4 is produced by our Mammalian expression system and the target gene encoding Gly17-Tyr420 is expressed with a 6His tag at the C-terminus. Carboxypeptidase A4 (CPA4) is a member of the peptidase M14 family. CPA4 is metalloprotease that could be involved in the histone hyperacetylation pathway. CPA4 binds one zinc ion per subunit and could catalyze to release of a C-terminal amino acid, with preference for -Phe, -Leu, -Ile, -Met, -Tyr and -Val.They have distinct expression patterns and different specificities for example, preferentially cleaving aromatic (carboxypeptidase As) or basic (carboxypeptidase Bs) residues. Several, such as carboxypeptidase Xs, have lost their catalytic activity. Carboxypeptidases play important roles in digestion of food, processing of bioactive peptides and blood coagulation.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl,10% Glycerol, pH8.0.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : GRDKFFGDQVFRINVRNGDEIRKLTELVNSDHLKLSVWKSPSTFDRPVDILVPSVSLLPVKSFLKSQGLDYSVTI
EDLQALLDNEDEEMQHNEGIERSGDFNYGAYHPLEAIYHEMDSIATDFPELVSRVKIGETFEKRPMYVLKFSTG
GGKKRPAIWLNAGIHAREWISQATAIWTARKIVTDYKKDPAITSILKKVDIFLLPVANPDGYVYTQSQNRLWRKT
RSRNPGSRCVGADPNRNWNASFAGEGTSDNPCSEVYHGSHPNSEVEVKSVVDFIQKHGNFKCFIDLHSYSQL
LMYPYGYTVKKAPDAEELDDVARNAAQALASLSGTKYRVGPTCTTVYPASGSSVDWAYDNGIKYAFTFELRDT
GYYGFLLPASQIIPTAEETWLGLKTIMEHVRDHLYVDHHHHHH

Application Note

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

For Research Use Only. Not for use in diagnostic/therapeutics procedures.