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32-6705: CPA4 Human

Alternative Name : Carboxypeptidase A4, Carboxypeptidase A3, CPA3, EC 3.4.17.1, EC 3.4.17.-, EC 3.4.17, Carboxypeptidase A4, Carboxypeptidase A3.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Carboxypeptidase A4 (CPA4) belongs to the carboxypeptidase A/B subfamily, and it is located in a cluster with 3 other family members on chromosome 7. CPA4 is a secreted, zinc-dependent metallocarboxypeptidase, which removes the C-terminal amino acid from peptides having a free C-terminal carboxyl group. CPA4 is a metalloprotease which may be involved in the histone hyperacetylation pathway. CPA4 are synthesized as zymogens which are activated by proteolytic cleavage.
CPA4 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 413 amino acids (17-421a.a.) and having a molecular mass of 46.6kDa.CPA4 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	CPA4 protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	GQEKFFGDQV LRINVRNGDE ISKLSQLVNS NNLKLNFWKS PSSFNRPVDV LVPSVSLQAF KSFLRSQGLE YAVTIEDLQA LLDNEDDEMQ HNEGQERSSN NFNYGAYHSL EAIYHEMDNI AADFPDLARR VKIGHSFENR PMYVLKFSTG KGVRRPAVWL NAGIHSREWI SQATAIWTAR KIVSDYQRDP AITSILEKMD IFLLPVANPD GYVYTQTQNR LWRKTRSRNP GSSCIGADPN RNWNASFAGK GASDNPCSEV YHGPHANSEV EVKSVVDFIQ KHGNFKGFID LHSYSQLLMY PYGYSVKKAP DAEELDKVAR LAAKALASVS GTEYQVGPTC TTVYPASGSS IDWAYDNGIK FAFTFELRDT GTYGFLLPAN QIIPTAEETW LGLKTIMEHV RDNLYLEHHH HHH.

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