

## Carboxypeptidase A4/CPA4 Protein, Mouse (HEK293, His)

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|--------------------------|---|
| <b>Cat. No.:</b>         | HY-P70078   |
| <b>Synonyms:</b>         | rMuCarboxypeptidase A4/CPA4, His; CPA4; Carboxypeptidase A4 |
| <b>Species:</b>          | Mouse   |
| <b>Source:</b>           | HEK293  |
| <b>Accession:</b>        | Q6P8K8 (G17-Y420)   |
| <b>Gene ID:</b>          | 71791   |
| <b>Molecular Weight:</b> | Approximately 50.0 kDa                                      |

### PROPERTIES

|                                |   |
|--------------------------------|---|
| <b>AA Sequence</b>             | <pre> GRDKFFGDQV   FRINVRNGDE   IRKLTELVNS   DHLKLSVWKS PSTFDRPVDI   LVPSVSLLPV   KSFLKSQGLD   YSVTIEDLQA LLDNEDEEMQ   HNEGIERSGD   FNYGAYHPLE   AIYHEMDSIA TDFPELVSRV   KIGETF EKRP   MYVLKFSTGG   GKKRPAIWLN AGIHAREWIS   QATAIWTARK   IVTDYKKDPA   ITSILKKVDI FLLPVANPDG   YVYTQSQNRL   WRKTRSRNPG   SRCVGADPNR NWNASFAGEG   TSDNPCSEVY   HGSHPNSEVE   VKSVVDFIQK HGNFKCFIDL   HSYSQLLMYP   YGYTVKKAPD   AEELDDVARN AAQALASLSG   TKYRVGPTCT   TVYPASGSSV   DWAYDNGIKY AFTFELRDTG   YYGFLLPASQ   IIPTAEETWL   GLKTIMEHVR DHL Y </pre> |
| <b>Biological Activity</b>     | The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.  |
| <b>Appearance</b>              | Solution.   |
| <b>Formulation</b>             | Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, 10% Glycerol, pH 8.0.  |
| <b>Endotoxin Level</b>         | <1 EU/µg, determined by LAL method.   |
| <b>Reconstitution</b>          | N/A   |
| <b>Storage &amp; Stability</b> | Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.  |
| <b>Shipping</b>                | Shipping with dry ice.  |

### DESCRIPTION

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**Background**

Carboxypeptidase A4 (CPA4) Protein, classified as a metalloprotease, is implicated in the histone hyperacetylation pathway, suggesting a potential role in epigenetic regulation. This enzyme demonstrates specificity in cleaving C-terminal amino acids, with a preference for residues such as -Phe, -Leu, -Ile, -Met, -Tyr, and -Val. The substrate selectivity of CPA4 hints at its involvement in modulating the composition and function of proteins through targeted cleavage. The nuanced enzymatic activity of CPA4 underscores its potential significance in cellular processes associated with histone modification and protein turnover.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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