

## Mast cell carboxypeptidase A Recombinant Protein | CPA3 recombinant protein

Recombinant Human Mast cell carboxypeptidase A

|                              |                                                                 |
|------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA81655</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|------------------------------|-----------------------------------------------------------------|

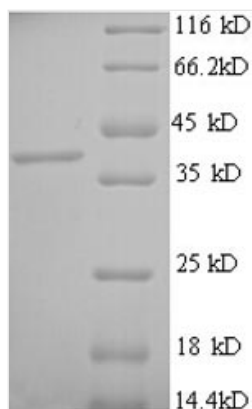
### PRODUCT SYNONYMS

Mast cell carboxypeptidase A; Recombinant Human Mast cell carboxypeptidase A; Carboxypeptidase A3; CPA3 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                              |
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| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                             |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                    |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                             |
| Sequence Positions      | 110-417aa; Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                     |
| Sequence                | IPGRHSYAKY NNWEKIVAWT EKMMDKYPEM VSRIKIGSTV EDNPLYVLKI GEKNERRKAI FTDCGIHARE<br>WVSPAFCQWF VYQATKTYGR NKIMTKLLDR MNFYILPVFN VDGWIWSWK NRMWRKNRSK NQNSKIGTD<br>LNRNFNASWN SIPNTNDPCA DNYRGSAPES EKETKAVTNF IRSHLNEIKV YITFHSYSQM LLFPYGYTSK<br>LPPNHEDLAK VAKIGTDVLS TRYETRYIYG PIESTIYPIS GSSLDWAYDL GIKHTFAFEL RDKGKFGFLL<br>PESRIKPTCR ETMLAVKFIA KYILKHTS |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                                                                                                                                                                                                       |

### IMAGES



SDS-PAGE

### ADDITIONAL INFORMATION

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| Product Categories/Family for CPA3 recombinant protein | Cell Biology |
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| References | Cloning of cDNAs that encode human mast cell carboxypeptidase A, and comparison of the protein with mouse mast cell carboxypeptidase A and rat pancreatic carboxypeptidases.Reynolds D.S., Gurley D.S., Stevens R.L., Sugarbaker D.J., Austen K.F., Serafin W.E.Proc. Natl. Acad. Sci. U.S.A. 86:9480-9484(1989) Cloning and characterization of the novel gene for mast cell carboxypeptidase A.Reynolds D.S., Gurley D.S., Austen K.F.J. Clin. Invest. 89:273-282(1992) The DNA sequence, annotation and analysis of human chromosome 3.Muzny D.M., Scherer S.E., Kaul R., Wang J., Yu J., Sudbrak R., Buhay C.J., Chen R., Cree A., Ding Y., Dugan-Rocha S., Gill R., Gunaratne P., Harris R.A., Hawes A.C., Hernandez J., Hodgson A.V., Hume J., Jackson A., Khan Z.M., Kovar-Smith C., Lewis L.R., Lozado R.J., Metzker M.L., Milosavljevic A., Miner G.R., Morgan M.B., Nazareth L.V., Scott G., Sodergren E., Song X.-Z., Steffen D., Wei S., Wheeler D.A., Wright M.W., Worley K.C., Yuan Y., Zhang Z., Adams C.Q., Ansari-Lari M.A., Ayele M., Brown M.J., Chen G., Chen Z., Clendenning J., Clerc-Blankenburg K.P., Chen R., Chen Z., Davis C., Delgado O., Dinh H.H., Dong W., Draper H., Ernst S., Fu G., Gonzalez-Garay M.L., Garcia D.K., Gillett W., Gu J., Hao B., Haugen E., Havlak P., He X., Hennig S., Hu S., Huang W., Jackson L.R., Jacob L.S., Kelly S.H., Kube M., Levy R., Li Z., Liu B., Liu J., Liu W., Lu J., Maheshwari M., Nguyen B.-V., Okwuonu G.O., Palmeiri A., Pasternak S., Perez L.M., Phelps K.A., Plopper F.J., Qiang B., Raymond C., Rodriguez R., Saenphimmachak C., Santibanez J., Shen H., Shen Y., Subramanian S., Tabor P.E., Verduzco D., Waldron L., Wang J., Wang J., Wang Q., Williams G.A., Wong G.K.-S., Yao Z., Zhang J., Zhang X., Zhao G., Zhou J., Zhou Y., Nelson D., Lehrach H., Reinhardt R., Naylor S.L., Yang H., Olson M., Weinstock G., Gibbs R.A.Nature 440:1194-1198(2006) Human skin mast cell carboxypeptidase functional characterization, cDNA cloning, and genealogy.Natsuaki M., Stewart C.B., Vanderslice P., Schwartz L.B., Natsuaki M., Wintroub B.U., Rutter W.J., Goldstein S.M.J. Invest. Dermatol. 99:138-145(1992) Human mast cell carboxypeptidase. Purification and characterization.Goldstein S.M., Kaempfer C.E., Kealey J.T., Wintroub B.U.J. Clin. Invest. 83:1630-1636(1989) |
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NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 221316749                                  |
| NCBI GeneID                      | 1359                                       |
| NCBI Accession #                 | NP_001861.2                                |
| NCBI GenBank Nucleotide #        | NM_001870.3                                |
| UniProt Accession #              | P15088; Q96E94                             |
| Molecular Weight                 | 38 kDa                                     |
| NCBI Official Full Name          | mast cell carboxypeptidase A preproprotein |
| NCBI Official Synonym Full Names | carboxypeptidase A3                        |
| NCBI Official Symbol             | CPA3                                       |
| NCBI Official Synonym Symbols    | MC-CPA                                     |
| NCBI Protein Information         | mast cell carboxypeptidase A               |
| UniProt Protein Name             | Mast cell carboxypeptidase A               |
| UniProt Gene Name                | CPA3                                       |
| UniProt Synonym Gene Names       | MC-CPA                                     |
| UniProt Entry Name               | CBPA3_HUMAN                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.