

## Carboxypeptidase B1/CPB1 Protein, Mouse (HEK293, His)

|                   |                           |
|-------------------|---------------------------|
| Cat. No.:         | HY-P72869                 |
| Synonyms:         | carboxypeptidase B1; Cpb1 |
| Species:          | Mouse                     |
| Source:           | HEK293                    |
| Accession:        | B2RS76 (S16-Y415)         |
| Gene ID:          | 76703                     |
| Molecular Weight: | Approximately 45 kDa      |

### PROPERTIES

|                     |   |
|---------------------|---|
| AA Sequence         | <p> S E E N F D G N R V    F R V S V H D E D D    V S L I Q E L A N T    K Q I D F W K P D S<br/> A T Q V K P L T T V    D F H V K A E D V V    D V E N F L E E N E    V L Y E V L I S N V<br/> K H I L E S Q F D S    H T R A S G H S Y T    K Y N N W E T I E A    W I Q Q V A N D N P<br/> D L V S K R V I G T    T F E G R N M Y V L    K I G K D R P N K P    A F F I D C G F H A<br/> R E W I S P A F C Q    W F V R E A V R T Y    K Q E I H M K R L L    D E L D F Y V L P V<br/> V N I D G Y V Y T W    A K D R M W R K T R    S T T A G S S C F G    V D P N R N F D A G<br/> W C E V G A S R S P    C S D T Y C G P T P    E S E K E T K A L A    D F I R Q N L S S I<br/> K A Y L T V H S Y S    Q M M L Y P Y S Y D    Y K L P E N Y E E L    N A L V K G A A K E<br/> L S T L H G T K Y T    Y G P G A T T I Y P    A A G G S D D W A Y    D Q G I K Y S F T F<br/> E L R D K G F F G F    L L P E S Q I R Q T    C E E T M L A V K Y    I A N Y V L E H P Y </p> |
| Biological Activity | Measured by its ability to cleave a colorimetric peptide substrate, Hippuryl-Arg. The specific activity is 17715.8 pmol/min/μg.   |
| Appearance          | Lyophilized powder  |
| Formulation         | Lyophilized from a 0.2 μm filtered solution of 20 mM MES, 150 mM NaCl, PH 6.5.  |
| Endotoxin Level     | <1 EU/μg, determined by LAL method.   |
| Reconstitution      | It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).   |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.  |
| Shipping            | Room temperature in continental US; may vary elsewhere.   |

### DESCRIPTION

---

**Background**

VEGF-C Protein belongs to the PDGF/VEGF growth factor family. As a member of this family, it shares structural and functional characteristics with other proteins involved in the regulation of cell growth, proliferation, and angiogenesis. The PDGF/VEGF family is known for its crucial roles in mediating vascular endothelial cell responses and promoting the formation of blood vessels. In particular, VEGF-C has been implicated in lymphangiogenesis, playing a key role in the development and maintenance of lymphatic vessels. The classification within the PDGF/VEGF growth factor family suggests that VEGF-C may contribute to signaling pathways that orchestrate physiological and pathological processes associated with vascular and lymphatic systems.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA