

HUMAN CPM PROTEIN, HIS TAG

Cat.#: 11933

Product Name: Human CPM Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: CBPM

Target: CPM

UNIPROT ID: P14384

Description: Recombinant Human CPM Protein with C-terminal 6xHis tag

Background: The protein encoded by this gene is a membrane-bound arginine/lysine carboxypeptidase. Its expression is associated with monocyte to macrophage differentiation. This encoded protein contains hydrophobic regions at the amino and carboxy termini and has 6 potential asparagine-linked glycosylation sites. The active site residues of carboxypeptidases A and B are conserved in this protein. Three alternatively spliced transcript variants encoding the same protein have been described for this gene. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 47.1 kDa after removal of the signal peptide. The apparent molecular mass of CPM-His is approximately 35–55 kDa due to glycosylation.

Molecular Characterization: CPM(Leu18-His422) 6×His tag

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



Figure 1. Human CPM Protein, His Tag on SDS-PAGE under reducing condition.