

Catalog No.: RP03193LQ **Recombinant**

Species	Gene ID	Swiss Prot
Human	84735	O96KN2

C-His

Beta-Ala-His Dipeptidase; CNDP
Dipeptidase 1; Carnosine Dipeptidase 1;
Glutamate Carboxypeptidase-Like
Protein 2; Serum Carnosinase; CNDP1;
CN1; CPGL2

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

54.9 kDa 60-90 kDa


< 1 EU/μg of the protein by LAL method.

Supplied as a 0.2 μ m filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.

Contact

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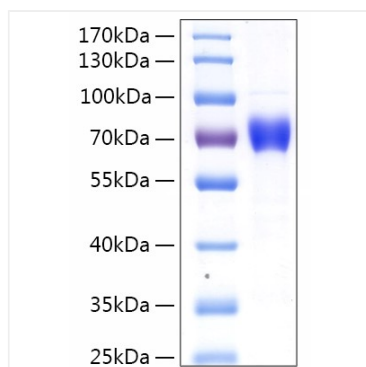
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Carnosine Dipeptidase 1 (CNDP1) belongs to the M20 metalloprotease family. CNDP1 is specifically expressed in the brain, serum and adult nervous central system. It is identified as human carnosinase. CNDP1 contains trinucleotide (CTG) repeat length polymorphism in the coding region and is inhibited by the metal chelator 1,10-phenanthroline. In addition, CNDP1 can hydrolyse the beta-Ala-His dipeptide (carnosine), anserine, Xaa-His dipeptides and other dipeptides including homocarnosine. CNDP1 deficiency has been associated with homocarnosinosis disease.

Recombinant Human CNDP1 Protein is produced by Mammalian expression system. The target protein is expressed with sequence Ser27-His507 of Human CNDP1 fused with a His tag at the C-terminus.

Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.

Validation Data



Recombinant Human CNDP1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.