

Recombinant Human Carnosine Dipeptidase 1 Protein

Cat.NO.: TP04784

3th Edition

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

Description: 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-o-phenantroline. 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.

Form: PBS

Molecular Weight: 54.9 kDa

Sequences: Pro28-His507

Purity: > 95% by HPLC

Concentration:

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.