Recombinant Human CNDP1 Protein

Catalog No.: RP03193LQ

Sequence Information

Species
Human

Gene ID
84735

Swiss Prot
Q96KN2

Tags
C-His

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

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
54.9 kDa

Observed MW
60-90 kDa

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

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

Reconstitution

Background

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-ophenantrolin. 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.

Basic Information

Description
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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

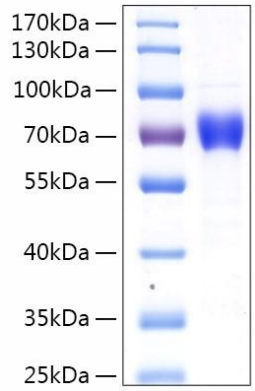
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



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