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Datasheet for ABIN7319401 **CNDP1 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	CNDP1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CNDP1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CNDP1 Protein (His Tag)
Sequence:	Pro28-His507
Characteristics:	Recombinant Human Carnosine Dipeptidase 1 is produced by our Mammalian expression system and the target gene encoding Pro28-His507 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CNDP1
Alternative Name:	CNDP1 (CNDP1 Products)
Background:	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

Target Details

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-phenantrolin. 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.

Synonym: Beta-Ala-His Dipeptidase, CNDP Dipeptidase 1, Carnosine Dipeptidase 1, Glutamate Carboxypeptidase-Like Protein 2, Serum Carnosinase, CNDP1, CN1, CPGL2, HsT2308

Molecular Weight: 54.9 kDa

NCBI Accession: [NP_116038](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 7.5.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.