

RPCB1886

## Product Information

<b>Product SKU:</b>	RPCB1886	<b>Gene ID:</b>	84735	<b>Size:</b>	50µg
<b>Tag:</b>	C-His	<b>Reactivity:</b>	Human		

## Additional Information

**Expression Host:** Mammalian expression system  
**Swissprot:** Q96KN2  
**Purity:** > 95% by SDS-PAGE.

## Protein Information

**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-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.

**Protein Description:** High quality, high purity and low endotoxin recombinant Recombinant Human CNDP1 Protein, tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

**Endotoxin:** < 1.0 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.

**Storage:** Store at -70°C. This product is stable at ≤ -70°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.