

Human CellExp™ CNDP1, Human recombinant
CNDP1, CN1, CPGL2
Catalog # PBV11605r**Specification**

Human CellExp™ CNDP1, Human recombinant - Product info

Primary Accession [O96KN2](#)
Calculated MW **54.7 kDa KDa**

Human CellExp™ CNDP1, Human recombinant - Additional Info

Gene ID	84735
Other Names	
CNDP1, CN1, CPGL2	
Gene Source	Human
Source	HEK 293 cells
Assay&Purity	SDS-PAGE;> 95%
Recombinant	Yes
Target/Specificity	
CNDP1	

Application Notes

Reconstitute in sterile deionized water to the desired protein concentration.

Format

Lyophilized

Storage

-20°C;Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Trehalose is added as protectant before lyophilization.

Human CellExp™ CNDP1, Human recombinant - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp™ CNDP1, Human recombinant - Images**Human CellExp™ CNDP1, Human recombinant - Background**

Beta-Ala-His dipeptidase is also known as Carnosine dipeptidase 1 (CNDP1), CNDP dipeptidase 1, Glutamate carboxypeptidase-like protein 2, Serum carnosinase, CPGL2, which belongs to the peptidase M20A family. CNDP1 is found in serum and adult nervous central system. CNDP1 preferential hydrolysis of the beta-Ala-|-His dipeptide (carnosine), and also anserine, Xaa-|-His dipeptides and other dipeptides including homocarnosine. The catalytic activity of CNDP1 is inhibited by the metal chelator 1,10-o-phenantroline and the inhibitory concentration 50% (IC50) is 5 μ M.