Datasheet for ABIN7195144

CNDP2 Protein (His tag)

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Overview

Quantity:	50 µg
Target:	CNDP2
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CNDP2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CNDP2/CPGL/PEPA Protein (His Tag)
Sequence:	Met 1-Asp 475
Characteristics:	A DNA sequence encoding the human CNDP2 (CAC69883.1) (Met 1-Asp 475) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 94 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CNDP2
Alternative Name:	CNDP2/CPGL/PEPA (CNDP2 Products)
Background:	Background: Cytosolic non-specific dipeptidase, also known as CNDP dipeptidase 2, Glutamate carboxypeptidase-like protein 1, Peptidase A, CNDP2 and CN2, is a cytoplasm protein which belongs to the peptidase M20A family. CNDP2 / CPGL is a cytosolic enzyme that can hydrolyze

Target Details

	carnosine to yield l-histidine and beta-alanine. CNDP2 / CPGL hydrolyzes a variety of dipeptides including L-carnosine but has a strong preference for Cys-Gly. It may be play a role as tumor suppressor in hepatocellular carcinoma (HCC) cells. Isoform 1 of CNDP2 / CPGL is ubiquitously expressed with higher levels in kidney and liver (at protein level). Isoform 2 of CNDP2 / CPGL is expressed in fetal tissues, it is only expressed in adult liver and placental tissues. CNDP2 / CPGL is highly expressed in the histaminergic neurons in the tuberomammillary nucleus, implying that it may supply histidine to histaminergic neurons for histamine synthesis. Synonym: CN2;CPGL;HEL-S-13;HsT2298;PEPA
Molecular Weight:	54.2 kDa

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 50 mM Tris, 100 mM NaCl, 0.5 mM PMSF, pH 8.0
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.