

AR50739PU-N

Human CNDP2 (1-475, His-tag) - Purified

Alternate names:

CN2, CNDP dipeptidase 2, CPGL, Cytosolic non-specific dipeptidase, Glutamate carboxypeptidase-like protein 1, PEPA, Peptidase A

Quantity:

0.5 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

Cytosolic non-specific dipeptidase, also known as CNDP2, is a cytosolic, non-specific dipeptidase that belongs to the peptidase M20A family of proteins. CNDP2 is a secreted peptidase homologous to M20 peptidases. It is expressed by all adult and fetal tissue, however, an isoform lacking exons 3 and 4 was expressed in all fetal tissue, but only in adult liver. Overexpression of CPGL-B in hepatocellular carcinoma cells leads to significant inhibition of HC cell viability, colony formation, cell invasiveness and tumor formation.

Uniprot ID:

[Q96KP4](#)

NCBI:

[NP_060705](#)

GenelD:

[55748](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

Description:

Recombinant human CNDP2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMAALTTL FKYIDENQDR YIKKLAKWA IQSVSAWPEK
RGEIRRMMEV AAADVKQLGG SVELVDIGKQ KLPDGSEIPL PPILLGRLGS DPQKKTVCIY
GHLDVQPAAL EDGWDSEPF LVERDGKLYG RGSTDDKGPV AGWINALEAY QKTGQEIPVN
VRFCLEGMEE SGSEGLDELI FARKDTFFKD VDYVCISDNY WLGGKKKPCIT YGLRGICYFF
IEVECSNKDL HSGVYGGSVH EAMTDLILLM GSLVDKRGNI LIPGINEAVA AVTEEEHKLY
DDIDFDIEEF AKDVGAQILL HSHKKDILMH RWRYPSSLH GIEGAFSGSG AKTVIPRKVV
GKFSIRLVPN MTPEVVGEQV TSYLTKKFAE LRSPNEFKVY MGHGGKPWVS DFSHPHYLAG
RRAMKTVFGV EPDLTREGGS IPVTLTFQEA TGKNVMLLPV GSADDGAHSQ NEKLNRYNYI
EGTKMLAAYL YEVSQ LKD

Molecular weight: 55.3 kDa (498aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Wanic K., et al. (2008) Diabetes. 57:2547-2551. Otani H., et al. (2008) Neurosci Lett. 445:166-169.

Pictures:

