
Product Data Sheet

Product Name: CNDP2 Human

Cat. No.: GP21491

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Cytosolic non-specific dipeptidase; CNDP dipeptidase 2; CN2; CPGL; HsT2298; PEPA; Glutamate carboxypeptidase-like protein 1; Peptidase A.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAALTTL FKYIDENQDR YIKKLAKWVA IQSVSAWPEK RGEIRRMMEV AAADVQQLGG SVELVDIGKQ KLPDGSEIPL PPILLGRLGS DPQKKTVCYI GHLDVQPAAL EDGWDSEPF LVERDGKLYG RGSTDDKGPV AGWINALEAY QKTGQEIPVN VRFCLEG MEE SGSEGLDELI FARKDTFFKD VDYVCISDNY WLGKKKPCIT YGLRGICYFF IEVECSNKDL HSGVYGGSVH EAMTDLILLM GSLVDKRGNI LIPGINEAVA AVTEEEHKLY DDIDFDIEEF AKDVGAQILL HSHKKDILMH RWRYPSSLH GIEGAFSGSG AKTVIPRKVV GKFSIRLVPN MTPEVVGEQV TSYLTKKFAE LRSPNEFKVY MGHGGKPWVS DFSHPHYLAG RRAMKTVFGV EPDLTREGGS IPVTLTTFQEA TGKNVMLLPV GSADDGAHSQ NEKLNRYNYI EGTKMLAAYL YEVSQ LKD.		
Formulation	The CNDP2 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 1mM DTT.		

Introduction

CNDP Dipeptidase 2 (CNDP2), is a cytosolic, non-specific dipeptidase which is a part of the peptidase M20A protein family. CNDP2 is a secreted peptidase homologous to M20 peptidases. CNDP2 expresses through all adult and fetal tissue, though, an isoform missing exons 3 and 4 expresses in all fetal tissue in adult liver. Over expression of CPGL-B in hepatocellular carcinoma cells results in significant inhibition of HC cell viability, colony formation, cell invasiveness and tumor configuration.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CNDP2 Human Recombinant produced in E. coli is a single polypeptide chain containing 498 amino acids (1-475) and having a molecular mass of 55.3 kDa. CNDP2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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