

CNDP2, 1-475aa Human, His tag, E.coli

Cat.NO.: TP01661

3th Edition

Synonyms:Cytosolic non-specific dipeptidase, CN2, CPGL, HsT2298, PEPA

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

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

Molecular Weight:55.3kDa (498aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMALTTLFKYIDENQDRYIKKLAKWVAIQSVSAWPEKRGEIRRMMEVAAADV
KQLGGSVELVDIGKQKLPDGSEIPLPPILLGRLGSDPQKKTVCYGHLDVQPALEDGWDSEPFLLVERDGLYGRG
STDDKGPVAGWINALEAYQKTGQEIPVNVRFCLGMEESGSEGLDELIFARKDTFFKDVVDYVCISDNYWLGKKKPCI
TYGLRGICYFFIEVECSNKDLHSGVYGGSVHEAMTDLILLMGSLVDKRGNILIPGINEAVAAVTEEEHKLYDDIDFDIE
EFAKDVGAQILLHSHKDKILMHRWRYPSSLHGI EGAFSGGAKTVIPRKVVGKFSIRLVPNMTPEVVGEQVTSYLT
KKFAELRSPNEFKVYMGHGKPPWVSDFSHPHYLAGRRAMKTVFGVEPDLTREGGSIPVTLTFQEATGKNVMLLPV
GSADDGAHSQNEKLNRYNYIEGTKMLAAYLYEVSQKLD

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.