

CNDP2 Human

Description: 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.

Catalog #: ENPS-688

For research use only.

Synonyms: Cytosolic non-specific dipeptidase, CNDP dipeptidase 2, CN2, CPGL, HsT2298, PEPA, Glutamate carboxypeptidase-like protein 1, Peptidase A.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSMAALTTL FKYIDENQDR
YIKKLAKWVA IQSVSAWPEK RGEIRRMMEV AAADVKQLGG SVELVDIGKQ KLPDGSEIPL
PPILLGRLGS DPQKKTVCYI GHLDVQPAAL EDGWDSEPFT LVERDGKLYG RGSTDDKGPV
AGWINALEAY QKTGQEIPVN VRFCLGEMEE SGSEGLDELI FARKDTFFKD VDYVCISDNY
WLGKKKPCIT YG

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The CNDP2 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 1mM DTT.

Stability:

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

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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