

# Recombinant human Cytosolic non-specific dipeptidase

Catalog No: #AP71492

Orders: order@signalwayantibody.com

Package Size: #AP71492-1 20ug #AP71492-2 100ug #AP71492-3 1mg

Support: tech@signalwayantibody.com

## Description

Product Name	Recombinant human Cytosolic non-specific dipeptidase
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-475aaSequence Info:Full Length
Other Names	CNDP dipeptidase 2Glutamate carboxypeptidase-like protein 1;Peptidase A
Accession No.	Q96KP4
Uniprot	Q96KP4
GeneID	55748;
Calculated MW	56.7 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	AALTTLFKYIDENQDRYIKKLAKWVAIQSVSAWPEKRGEIRRMMEVAAADVQQLGGSVELVDIGKQKLPDGSEI PLPPILLGRLGSDPQKKTVCYGHLDVQPAALDGDWSEPFLLVERDGLYGRGSTDDKGPVAGWINALEAY QKTGQEIPVNVRFCLGMEESGSEGLDELIFARKDTFFKDVVDYVCISDNYWLGKKKPCITYGLRGICYFFIEVE CSNKDLHSGVYGGSVHEAMTDLILLMGSLVDKRGNILIPGINEAVAAVTEEEHKLVDIDIDIEEFAKDVGQAQILL HSHKKDILMHRWRYPSLSLHGIEGAFSGSAGKTVIPRKVVGKFSIRLVNMTPEVGEQVTSYLTKKFAELRSP NEFKVYMGHGKPPWVSDFSHPHYLAGRRAMKTVFGVEPDLTREGGSIPVTLTFQEATGKNVMLLPVGSADD GAHSQNEKLNRYNYIEGTKMLAAYLYEVSQKLD
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Hydrolyzes a variety of dipeptides including L-carnosine but has a strong preference for Cys-Gly. Isoform 2 may play a role as tumor suppressor in hepatocellular carcinoma (HCC) cells.

## References

Sequence identification and characterization of human carnosinase and a closely related non-specific dipeptidase. Teufel M., Saudek V., Ledig J.P., Bernhardt A., Boularand S., Carreau A., Cairns N.J., Carter C., Cowley D.J., Duverger D., Ganzhorn A.J., Guenet C., Heintzelmann B., Laucher V., Sauvage C., Smirnova T.J. Biol. Chem. 278:6521-6531(2003)Research Topic:Cell Biology

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Note: This product is for in vitro research use only