

Human CNDP1 Recombinant Protein



RPPB1499

Product Information Protein Information

Product SKU:

RPPB1499

Accession:

Q96KN2

Host:

Sf9, Insect cells.

Protein description:

CNDP1 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 489 amino acids (27-507 a.a.) and having a molecular mass of 54.9kDa (Migrates at 50-70kDa on SDS-PAGE under reducing conditions).CNDP1 is expressed with a 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

Carnosine Dipeptidase 1 (Metallopeptidase M20 Family), Glutamate Carboxypeptidase-Like Protein 2, CNDP Dipeptidase 1, Serum Carnosinase, Carnosinase 1, CPGL2, CN1, Carnosine Dipeptidase 1, EC 3.4.13.20, HsT2308.

Formulation:

CNDP1 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

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.

Amino Acid Sequence:

SPSPPALLE KVFQYIDLHQ DEFVQTLKEW VAIESDSVQP VPRFRQELFR MMAVAADTLQ RLGARVASVD
MGPQQLPDGQ SLPPIPVILA ELGSDPTKGT VCFYGHLDVQ PADRGDGWLT DPYVLTEVDG KLYGRGATDN
KGPVLAWINA VSAFRALEQD LPVNIKFIIE GMEEAGSVAL EELVEKEKDR FFSGVDYIVI SDNLWISQRK
PAITYGTRGN SYFMVEVKCR DQDFHSGTFG GILHEPMADL VALLGSLVDS SGHILVPGIY DEVVPLTEEE
INTYKAIHLD LEEYRNSSRV EKFLFDTKEE ILMHLWRYPY LSIHGIEGAF DEPGTKVIP GRVIGKFSIR
LVPHMNVSAV EKQVTRHLED VFSKRNSSNK MVVSMTLGLH PWIANIDDTQ YLAAKRAIRT VFGTEPDMIR
DGSTIPIAKM FQEIVHKSVM LIPLGAVDDG EHSQNEKINR WNYIEGTKLF AAFLEMAQL HLEHHHHHH.

Biological Activity:

Specific activity is >3,000 pmol/min/ug, and as measured by the hydrolysis of carnosine per minute at pH6.8 at 25°C.