

CNDP Dipeptidase 1 Human Recombinant, Active

Item Number	rAP-1457
Synonyms	Carnosine Dipeptidase 1 (Metallopeptidase M20 Family), Glutamate Carboxypeptidase-Like Protein 2, CNDP Dipeptidase 1, Serum Carnosinase, Carnosinase 1, CPGL2, CN1,
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
Uniprot Accesion Number	Q96KN2
Amino Acid Sequence	SPSPPPALLE KVFQYIDLHQ DEFVQTLKEW VAIESDSVQP VPRFRQELFR MMAVAADTLQ RLGARVASVD MGPQQLPDGQ SLPIPPVILA ELGSDPTKGT VCFYGHLDVQ PADRGDGLWT DPYVLTEVDG KLYGRGATDN KGPVLAWINA VSAFRALEQD LPVNIKFIIE GMEEAGSVAL EELVEKEKDR FFSGVDYIVI SDNLWISQRK PAITYGTRGN SYFMVEVKCR DQDFHSGTFG GILHEP- MADL VALLGSLVDS SGHILVPGIY DEVVPLTEEE INTYKAIHLD LEEYRNSSRV EKFLFDTKEE ILM- HLWRYPS LSIHGIEGAF DEPGTKVIP GRVIGKFSIR LVPHMNVSAV EKQVTRHLED VFSKRNSSNK MVSMTLGLH PWIANIDDTQ YLAAKRAIRT VFGTEPDMIR DGSTIPIAKM FQEIVHKSJV LIPLGAVDDG EHSQNEKINR WNYIEGTKLF AAFLEMAQL HLEHHHHHHH.
Source	Sf9, Insect cells.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	CNDP1 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**