

32-7390: Recombinant Human Carnosine Dipeptidase 1/CNDP1 (C-6His)

Gene : CNDP1
Gene ID : 84735
Uniprot ID : Q96KN2

Description

Source: Human Cells.
MW :54.9kD.

Recombinant Human Carnosine Dipeptidase 1 is produced by our Mammalian expression system and the target gene encoding Pro28-His507 is expressed with a 6His tag at the C-terminus. Carnosine Dipeptidase 1 (CNDP1) belongs to the M20 metalloprotease family. CNDP1 is specifically expressed in the brain, serum and adult nervous central system. It is identified as human carnosinase. CNDP1 contains trinucleotide (CTG) repeat length polymorphism in the coding region and is inhibited by the metal chelator 1,10-o-phenantroline. In addition, CNDP1 can hydrolyse the beta-Ala-His dipeptide (carnosine), anserine, Xaa-His dipeptides and other dipeptides including homocarnosine. CNDP1 deficiency has been associated with homocarnosinosis disease.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 7.5.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : PSPPALLEKVFQYIDLHQDEFVQTLKEWVAIESDSVQPVPRFRQELFRMMVAADTLQRLGARVASVDMGPO
QLPDGQSLPIPPVILAEELGSDPTKGTVCIFYGHLDVQPADRGDGLWLTDPYVLTEVDGKLYGRGATDNKGPVLAW
INAVSAFRALEQDLPVNIKFIIEGMEEAGSVALEELVEKEKDRFFSGVDYIVISDNLWISQRKPAITYGTRGNSYFM
VEVKCRDQDFHSGTFGGILHEPMADLVALLGSLVDSSGHILVPGIYDEVVPLTEEEINTYKAIHLDLLEEYRNSSRV
EKFLFDTKEEILMHLWRYPSLSIHGIEGAFDEPGTKTVIPGRVIGKFSIRLVPHMNVSAVEKQVTRHLEDVFSKRN
SSNKMVVSMTLGLHPWIANIDDTQYLAAKRAIRTVFGTEPDMIRDGSGTIPIAKMFQEIVHKSVVLIPLGAVDDGE
HSQNEKINRWNYIEGTKLFAAFFLEMAQLHVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.