



Recombinant Rat Beta-Ala-His dipeptidase (Cndp1)

Product Code	CSB-MP737746RA
Abbreviation	Cndp1
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.
Uniprot No.	Q66HG3
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	MLSPPHSGTL EKLFQYIDLH QDEFVQTLKE WVAIESDSVQ PMPRLRQELF RMMALAADKL RNLGARVDSV DLGSQQMPDG QSLPTPIIL AELGNDPKKP SVCFYGHLDV QPAQKEDGWL TDPYTLTEVD GKLYGRGATD NKG PVLAWIN AVSTFRALQQ DLPVNVKFI EGMEEAGSVA LEELVKREKD NFFSGVDYIV ISDNLWLSQK KPALTCGTRG NCYFTVEVKC RDQDFHSGTF GGILNEPMAD LVALLGSLVD SSGHILVPGI YDQMAPITEE EKTMYENIDL DLEEYQKSSR VERFLFDTKE ELLTHLWRYP SLSIHGIEGA FDEPGTKTVI PGRVLGKFSI RLVPHMTPSV VETQVTQHLE AVFSKRNSFN KMAVSMVLGL QPWTANINGT QYLAARRAIQ TVFGVDPDMI QDGSTIPIAK IFQDITQKSV MMLPLGAVDD GEHSQNEKIN RWNIIQGSKL FAFFLELSK LHSGQQVPSG AF
Source	Mammalian cell
Target Names	Cndp1
Protein Names	Recommended name: Beta-Ala-His dipeptidase EC= 3.4.13.20 Alternative name(s): CNDP dipeptidase 1 Carnosine dipeptidase 1
Expression Region	1-492
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene encodes a member of the M20 metalloprotease family. The encoded protein is specifically expressed in the brain, is a homodimeric dipeptidase which was identified as human carnosinase. This gene contains trinucleotide (CTG) repeat length polymorphism in the coding region.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.