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Datasheet for ABIN1461453
CTSC Protein (AA 1-109) (His tag)

Overview

Quantity:	1 mg
Target:	CTSC
Protein Characteristics:	AA 1-109
Origin:	Dog
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTSC protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	DTPANCTHPE LLGTWVFQVG PAGSRSVNCS VMGPPEKKVV VHLEKLDTAY DNFNTGHFT IINYQGFIV LNDYKWFAFF KYKEEGHKVT SYCNETMTGW VHDVLGRNW
Specificity:	Canis familiaris (Dog) (Canis lupus familiaris)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	CTSC
Alternative Name:	Dipeptidyl peptidase 1 (CTSC) (CTSC Products)

Target Details

Background: Recommended name: Dipeptidyl peptidase 1.
EC= 3.4.14.1.
Alternative name(s): Cathepsin C Cathepsin J Dipeptidyl peptidase I.
Short name= DPP-I.
Short name= DPPI Dipeptidyl transferase Cleaved into the following 6 chains: 1.
Dipeptidyl peptidase 1 exclusion domain chain.
Alternative name(s): Dipeptidyl peptidase I exclusion domain chain Dipeptidyl peptidase 1 heavy chain 1.
Alternative name(s): Dipeptidyl peptidase I heavy chain 1 Dipeptidyl peptidase 1 heavy chain 2.
Alternative name(s): Dipeptidyl peptidase I heavy chain 2 Dipeptidyl peptidase 1 heavy chain 3.
Alternative name(s): Dipeptidyl peptidase I heavy chain 3 Dipeptidyl peptidase 1 heavy chain 4.
Alternative name(s): Dipeptidyl peptidase I heavy chain 4 Dipeptidyl peptidase 1 light chain.
Alternative name(s): Dipeptidyl peptidase I light chain

UniProt: [O97578](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to

Handling

one week

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.