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Datasheet for ABIN1646442 CPN1 Protein (AA 24-457) (His tag)

Overview

Quantity:	1 mg
Target:	CPN1
Protein Characteristics:	AA 24-457
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CPN1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>RHHRYDD LVRTLKLVHN QCPDITRLYN IGRSVKGRYL YVLEFSDYPG THEPLEPEVK</p> <p>YVGNMHGNEV LGRELLQLS EFLCEEFRNR NQRILRLIQD TRIHILPSMN PDGYEVAAAQ</p> <p>GPNTSGYLVG RNNANGVDLN RNFPDLNTYF YYNSKYGGPN HHLPLPDNWK SQVEPETRAV</p> <p>IQWIRSLNFV LSANMHGGAV VANYPYDKSL EHRFRSPHRT SNSPTPDEL FQTLAKVYSY</p> <p>AHGWMHQGWN CGDYFPDGIT NGASWYLSK GMQDFNYLHT NCFEITLELS CNKFPRQEEL</p> <p>QREWLGNREA LIQFLEQVHQ GIKGMVLDEN YNNLTGAVIS VTGINHDVTS GEHGDYFRLL</p> <p>LPGTYSVTAK ASGYEPKTVT VTVGPAGPTL VDFQLKRSTT QVHPVQKAPG RGQGSRAKQP</p> <p>RTSRKKDQAA KRHRGPA</p>
Specificity:	Rattus norvegicus (Rat)
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.

Product Details

Purity: > 90 %

Target Details

Target: CPN1

Alternative Name: Carboxypeptidase N catalytic chain (Cpn1) ([CPN1 Products](#))

Background: Recommended name: Carboxypeptidase N catalytic chain.
Short name= CPN.
EC= 3.4.17.3.
Alternative name(s): Carboxypeptidase N polypeptide 1 Carboxypeptidase N small subunit

UniProt: [Q9EQV8](#)

Pathways: [Metabolism of Steroid Hormones and Vitamin D](#), [Steroid Hormone Biosynthesis](#), [Peptide Hormone Metabolism](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#), [C21-Steroid Hormone Metabolic Process](#)

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 modiflicated 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.