

Datasheet for ABIN1475555  
**COLQ Protein (AA 23-458) (His tag)**



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Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | COLQ  |
| Protein Characteristics:      | AA 23-458                                   |
| Origin:                       | Rat   |
| Source:                       | Yeast                                       |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This COLQ protein is labelled with His tag. |
| Application:                  | ELISA                                       |

Product Details

|                  |   |
|------------------|---|
| Sequence:        | QPTFINSV LPISAALPGL DQKKRGNHKA CCLLMPPPPP LFPPPFGRGS RSPLLSPDMK<br>NLLELEASPS PCMQGSLGSP GPPGPQGPPG LPGKAGPKGE KGD LGRPGRK GRPGPPGVPG<br>EPGPVGWPGP EGPRGEKGDV GMMGLPGSRG PMGSKGFPGS RGEKGSRGER GDLGPKGEKG<br>FPGFPGMLGQ KGEMGPKGES GIAGHRGPTG RPGKRGKQGQ KGD SGIMGPP GKPGPSGQPG<br>RQGPPGPPGP PSAGQLVMGL KGERGFPGPP GRCLCGPPAN VNNPSYGDPM YGRGSPRVPA<br>IFVVNNQEEL EKLNTQNAIA FRRDQRSLYF KDSLGLWLIQ LTPFYPVGLH HKA AWHLCGD<br>GVLQPGEECD DGNPDVSDGC IDCHRAYCGD GYRHRGVEDC DGSDFGYLKC ETYLPGSYGE<br>LRCTQYCSID STPCRYFT |
| 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: COLQ

Alternative Name: Acetylcholinesterase collagenic tail peptide (Colq) ([COLQ Products](#))

Background: Recommended name: Acetylcholinesterase collagenic tail peptide.  
Alternative name(s): AChE Q subunit Acetylcholinesterase-associated collagen

UniProt: [O35167](#)

## 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 one week

Storage: -20 °C

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