Datasheet for ABIN7584433

# GCLC Protein (AA 1-637) (His tag)

Go to Product page

## Overview

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| Quantity: | 100 µg |
| Target: | GCLC |
| Protein Characteristics: | AA 1-637 |
| Origin: | Rat |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This GCLC protein is labelled with His tag. |
| Application: | ELISA |

## Product Details

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| Sequence: | MGLLSQGSPL SWEETQRHAD HVRRHGILQF LHIYHAVKDR HKDVLKWGDE VEYMLVSFDH ENRKVQLLLN GGDVLETLQE KGERTNPNHP TLWRPEYGSY MIEGTPGQPY GGTMSEFNTV EDNMRKRRKE ATSVLGEHQA LCTITSFPRL GCPGFTLPEH RPNPEEGGAS KSLFFPDEAI NKHPRFGTLT RNIRHRRGEK VVINVPIFKD KNTPSPFVET FPEDEEASKA SKPDHIYMDA MGFGMGNCCL QVTFQACSIS EARYLYDQLA TICPIVMALS AASPFYRGYV SDIDCRWGVI SASVDDRTRE ERGLEPLKNN RFKISKSRYD SIDSYLSKCG EKYNDIDLTI DTEIYEQLLE EGIDHLLAQH VAHLFIRDPL TLFEEKIHLD DANESDHFEN IQSTNWQTMR FKPPPPNSDI GWRVEFRPME VQLTDFENSA YVVFVVLLTR VILSYKLDFL IPLSKVDENM KVAQERDAVL QGMFYFRKDI CKGGNAVVDG CSKAQTSSEP SAEEYTLMSI DTIINGKEGV FPGLIPILNS YLENMEVDVD TRCSILNYLK LIKKRASGEL MTVARWMREF IANHPDYKQD SVITDEINYS LILKCNQIAN ELCECPELLG SGFRKAKYSG GKSDPSD |
| Specificity: | Rattus norvegicus (Rat) |

## Product Details

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| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time. |
| Purity: | > 90 % |

## Target Details

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| Target: | GCLC |
| Alternative Name: | Glutamate--cysteine ligase catalytic subunit (Gclc) (GCLC Products) |
| Background: | Recommended name: Glutamate--cysteine ligase catalytic subunit.<br>EC= 6.3.2.2.<br>Alternative name(s): GCS heavy chain Gamma-.<br>ECS Gamma-glutamylcysteine synthetase |
| UniProt: | P19468 |
| Pathways: | Cell RedoxHomeostasis |

## Application Details

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| 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 modificated 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

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| Format: | Lyophilized |
| Concentration: | 0.2-2 mg/mL |
| Buffer: | Tris-based buffer, 50 % glycerol |

## Handling

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| 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. |