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## Datasheet for ABIN1474163 GCLC Protein (AA 1-637) (His tag)



Overview

Quantity:	1 mg
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

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)

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Product Details		
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		
Target:	GCLC	
Alternative Name:	Glutamatecysteine ligase catalytic subunit (Gclc) (GCLC Products)	
Background:	Recommended name: Glutamatecysteine ligase catalytic subunit.	
	EC= 6.3.2.2.	
	Alternative name(s): GCS heavy chain Gamma	
	ECS Gamma-glutamylcysteine synthetase	
UniProt:	P19468	
Pathways:	Cell RedoxHomeostasis	
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 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		
Format:	Lyophilized	
Concentration:	0.2-2 mg/mL	
Buffer:	Tris-based buffer, 50 % glycerol	

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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.