Datasheet for ABIN1668429

Glutathione Reductase Protein (GSR) (AA 44-522) (His tag)

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Overview

Quantity:	1 mg
Target:	Glutathione Reductase (GSR)
Protein Characteristics:	AA 44-522
Origin:	Callithrix jacchus
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Glutathione Reductase protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MACRQEP QPQGPPPSAG AVVSYDYLVI GGGSGGLASA RRAAELGARA AVVESHKLGG TCVNVGCVPK KVMWNTAVHS EFLHDHGDYG FSSCEGKFNW RVIKEKRDTY VSRLNTIYQN NLTKAHIEII HGHAVFTSDT KPTIEVSGRK YTAPHILIAT GGMPSSPHES QIPGASLGIT SDGFFELEEL PSRSVIVGAG YIAVEIAGIL SALGSKTSLM IRHDKVLRSF DSMISTNCTE ELENAGVEVL KFSQVKEVKK TSSGLEVSLV TAVPGRLPVM TTISDVDCLL WAIGRDPNSK GLSLNKLGIK TDDKGHIIVD EFQNTNVKGI YAVGDVCGKA LLTPVAIAAG RKLAHRLFEN KEDSKLDYNN IPTVVFSHPP IGTVGLTEDE AIHKYGKENV KIYSTSFTPM YHAVTKRKTK CVMKMVCAYE EKVVGIHMQ GLGCDEMLQG FAVAVKMGAT KADFDNTVAI HPTSSEELVP LR
Specificity:	Callithrix jacchus (White-tufted-ear marmoset)
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.

Product Details

Purity:	> 90 %

Target Details

Target:	Glutathione Reductase (GSR)
Alternative Name:	Glutathione reductase, mitochondrial (GSR) (GSR Products)
Background:	Recommended name: Glutathione reductase, mitochondrial. Short name= GR. Short name= GRase. EC= 1.8.1.7
UniProt:	A2TIL1
Pathways:	Thyroid Hormone Synthesis, 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
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Handling

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