Datasheet for ABIN7587065

Glutathione Reductase Protein (GSR) (AA 75-565) (His tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	Glutathione Reductase (GSR)
Protein Characteristics:	AA 75-565
Origin:	Arabidopsis thaliana
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Glutathione Reductase protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	STDNGA ESDRHYDFDL FTIGAGSGGV RASRFATSFG ASAAVCELPF STISSDTAGG VGGTCVLRGC VPKKLLVYAS KYSHEFEDSH GFGWKYETEP SHDWTTLIAN KNAELQRLTG IYKNILSKAN VKLIEGRGKV IDPHTVDVDG KIYTTRNILI AVGGRPFIPD IPGKEFAIDS DAALDLPSKP KKIAIVGGGY IALEFAGIFN GLNCEVHVFI RQKKVLRGFD EDVRDFVGEQ MSLRGIEFHT EESPEAIIKA GDGSFSLKTS KGTVEGFSHV MFATGRKPNT KNLGLENVGV KMAKNGAIEV DEYSQTSVPS IWAVGDVTDR INLTPVALME GGALAKTLFQ NEPTKPDYRA VPCAVFSQPP IGTVGLTEEQ AIEQYGDVDV YTSNFRPLKA TLSGLPDRVF MKLIVCANTN KVLGVHMCGE DSPEIIQGFG VAVKAGLTKA DFDATVGVHP TAAEEFVTMR APTRKFRKDS SEGKASPEAK TAAGV
Specificity:	Arabidopsis thaliana (Mouse-ear cress)
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, chloroplastic (EMB2360) (GSR Products)
Background:	Recommended name: Glutathione reductase, chloroplastic. Short name= GR. Short name= GRase. EC= 1.8.1.7. Alternative name(s): Protein EMBRYO DEF. ECTIVE 2360
UniProt:	P42770
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

Handling

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