

Datasheet for ABIN1592244

D2HGDH Protein (AA 68-559) (His tag)



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Overview

Quantity:	1 mg
Target:	D2HGDH
Protein Characteristics:	AA 68-559
Origin:	Arabidopsis thaliana
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This D2HGDH protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>VGM LLQYKCFGS SAASLIQRNP LFSSLDSKDV SYFKEILGEK NVVEDKERLE TANTDWMHKY</p> <p>KGSSKLM LLP KNTQEVSQL EYCDSTRRLAV VPQGGNTGLV GGSVPVFDEV IVNVGLMNKI</p> <p>LSFDEVSGVL VCEAGCILEN LATFLDTKGF IMPLDLGAKG SCHIGGNVST NAGGLRLIRY</p> <p>GSLHGTVLGL EAVTANGNV L DMLGTLRKDN TGYDLKHLFI GSEGLGIVT KVSILTQPKL</p> <p>SSVNLAFIAC KDYLSCQKLL VEAQRNLGEI LSAFEFLDNN SMDLVLNHLD GVRNPVSSSE</p> <p>NFYILIETTG SDETNDREKL EAFLLKSLEK GLVSDGVIAQ DINQASSFWR IREGITEALQ</p> <p>KAGAVYKYDL SLPVEEIYNI VNDLRGRLGD LANVMGYGHL GDGNLHLNIS AA EYNDKLLG</p> <p>LIEPYVYEW TSKHRGSISAE HGLGVMKANE IFYSKSPETV ALMASIKKLL DPKGILNPYK</p> <p>VLPHSLFSN</p>
Specificity:	Arabidopsis thaliana (Mouse-ear cress)
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: D2HGDH

Alternative Name: D-2-hydroxyglutarate dehydrogenase, mitochondrial (D2HGDH) ([D2HGDH Products](#))

Background: Recommended name: D-2-hydroxyglutarate dehydrogenase, mitochondrial.
Short name= AtD-2HGDH.
EC= 1.1.99.-

UniProt: [O23240](#)

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 modified 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.