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Datasheet for ABIN1657177 GPT2 Protein (AA 47-540) (His tag)

Overview

Quantity:	1 mg
Target:	GPT2
Protein Characteristics:	AA 47-540
Origin:	Arabidopsis thaliana
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPT2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>SSTS EMSASDSTSS LPVTLD SINP KVLKCEYAVR GEIVNIAQKL QEDLKTNKDA YPFDEI IYCN</p> <p>IGNPQSLGQL PIKFFREVLA LCDHASLLDE SETHGLFSTD SIDRAWRILD HIPGRATGAY</p> <p>SHSQGIKGLR DVIAAGIEAR DGFPADPNDI FLTDGASPAV HMMMQLLLSS EKD GILSPIP</p> <p>QYPLYSASIA LHGGSLVPYY LDEATGWGLE ISDLKKQLEE ARSKGISVRA LVVINPGNPT</p> <p>GQVLA EENQR DIVNFCKQEG LVLLADEVYQ ENVYVPDKKF HSFKKVARSL GYGEKDISLV</p> <p>SFQSVSKGYG GECGKRGGYM EVTGFTSDVR EQIYKMASVN LCSNISGQIL ASLVMSPPKP</p> <p>GDDSYDSYMA ERDGILSSMA KRAKTLEDAL NSLEGVTCNR AEGAMYL FPR INLPQKAIEA</p> <p>AEA EKTAPDA FYCKRLLNAT GVVVPGSGF GQVPGTWHFR CTILPQEDKI PAIVNRLTEF</p> <p>HKSFMD EFRN</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: GPT2

Alternative Name: Alanine aminotransferase 2, mitochondrial (ALAAT2) ([GPT2 Products](#))

Background: Recommended name: Alanine aminotransferase 2, mitochondrial.
Short name= AtAlaAT2.
Short name= AtAlaATm.
EC= 2.6.1.2.
Alternative name(s): Alanine-2-oxoglutarate aminotransferase 3.
EC= 2.6.1.-

UniProt: [Q9LDV4](#)

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

Handling

Storage: -20 °C

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