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Datasheet for ABIN7479152

GAPDH Protein (AA 3-335, partial) (GST tag)

1 Image

Overview

Quantity:	100 µg
Target:	GAPDH
Protein Characteristics:	AA 3-335, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GAPDH protein is labelled with GST tag.
Application:	ELISA

Product Details

Sequence:	KVKVGVNGFG RIGRLVTRAA FNSGKVDIVA INDPFIDLNY MVYMFQYDST HGKFHGTVKA ENGKLVINGN PITIFQERDP SKIKWGDAGA EYVVESTGVF TTMEKAG AHL QGAKRVIIS APSADAPMFV MGVNHEKYDN SLKIISNASC TTNCLAPLAK VIHDNFGIVE GLMTTVHAIT ATQKTVDGPS GKLWRDGRGA LQNIIPASTG AAKAVGKVIP ELNGKLTGMA FRVPTANVSV VDLTCRLEKP AKYDDIKKVV KQASEGPLKG ILGYTEHQVV SDFNSDTHS STFDAGAGIA LNDHFVKLIS WYDNEFGYSN RVVDLMAHMA SKE
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.
Purity:	95 %

Target Details

Target:	GAPDH
Alternative Name:	Glyceraldehyde-3-phosphate dehydrogenase protein (GAPDH Products)
Background:	Has both glyceraldehyde-3-phosphate dehydrogenase and nitrosylase activities, thereby playing a role in glycolysis and nuclear functions, respectively. Participates in nuclear events including transcription, RNA transport, DNA replication and apoptosis. Nuclear functions are probably due to the nitrosylase activity that mediates cysteine S-nitrosylation of nuclear target proteins such as SIRT1, HDAC2 and PRKDC By similarity. Glyceraldehyde-3-phosphate dehydrogenase is a key enzyme in glycolysis that catalyzes the first step of the pathway by converting D-glyceraldehyde 3-phosphate (G3P) into 3-phospho-D-glyceroyl phosphate
Molecular Weight:	63.2 kD
UniProt:	P04406

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 modiflicated 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

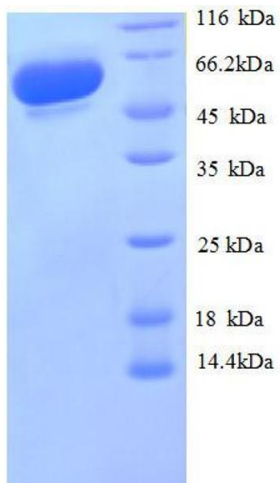
Handling

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

Handling

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

Images



SDS-PAGE

Image 1. Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) (AA 3-335), (partial) protein (GST tag)