

## Datasheet for ABIN7318043 **GAPDH Protein (His tag)**

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### Overview

Quantity:	100 µg
Target:	GAPDH
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GAPDH protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human GAPDH Protein (His Tag)
Sequence:	Met 1-Glu 335
Characteristics:	A DNA sequence encoding the human GAPDH (P04406) (Met 1-Glu 335) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 93 % as determined by reducing SDS-PAGE.

### Target Details

Target:	GAPDH
Alternative Name:	GAPDH ( <a href="#">GAPDH Products</a> )
Background:	Background: Glyceraldehyde 3-phosphate dehydrogenase (GAPDH or G3PDH) is an enzyme of about 37 kDa that is considered as a cellular enzyme involved in glycolysis. It catalyzes the sixth step of glycolysis. Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) is a pleiotropic enzyme that is overexpressed in apoptosis and in several human chronic pathologies. Its role

## Target Details

as a mediator for cell death has also been highlighted. A recent report suggests that GAPDH may be genetically associated with late-onset of Alzheimer's disease. Besides, deprenyl, which has originally been used as a monoamine oxidase inhibitor for Parkinson's disease, binds to GAPDH and displays neuroprotective actions.

Synonym: G3PD,GAPD,HEL-S-162eP

Molecular Weight:	38 kDa
UniProt:	<a href="#">P04406</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 50 mM Tris, 30 % glycerol, pH 7.5
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.