

Datasheet for ABIN934988  
**GAPDH Protein (AA 1-335)**



[Go to Product page](#)

1 Image

## Overview

Quantity:	100 µg
Target:	GAPDH
Protein Characteristics:	AA 1-335
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	MGKVKVGVNG FGRIGRLVTR AAFNSGKVDI VAINDPFIDL NYMVYMFQYD STHGKFHGTV KAENGKLVIN GNPITIFQER DPSKIKWGDA GAEYVVESTG VFTTMEKAGA HLQGGAKRVI ISAPSADAPM FVMGVNHEKY DNSLKIISNA SCTTNCLAPL AKVIHDNFGI VEGLMTTVHA ITATQKTVDG PSGKLWRDGR GALQNIIPAS TGAAKAVGKV IPELNGKLTG MAFRVPTANV SVVDLTCRLE KPAKYDDIKK VVKQASEGPL KGILGYTEHQ VVSSDFNSDT HSSTFDAGAG IALNDHFVKL ISWYDNEFGY SNRVVDLMAH MASKE
Characteristics:	Purified recombinant Human GAPDH protein Expression System: E.coli Molecular weight on SDS-PAGE will appear higher.
Purity:	> 95 % pure

## Target Details

Target:	GAPDH
---------	-------

## Target Details

---

Alternative Name: GAPDH ([GAPDH Products](#))

---

Background: Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) is a catalytic enzyme commonly known to be involved in glycolysis. The enzyme exists as a tetramer composed of 36-kDa subunits and has various intracellular functions. GAPDH catalyzes the reversible reduction of 1,3-bisphosphoglycerate to glyceraldehyde 3-phosphophate in the presence of NADPH. Besides functioning as a glycolytic enzyme in cytoplasm, evidence suggests that mammalian GAPDH is also involved in a great number of intracellular processes such as membrane fusion, microtubule bundling, phosphotransferase activity, nuclear RNA export, DNA replication and DNA repair. Recombinant GAPDH protein was expressed in *E. coli* and purified by using conventional chromatography techniques.

Alternative Names: MGC102546 protein, OCAS protein, p38 component protein, MGC102544 protein, KNC-NDS6 protein, EC 1.2.1.12 protein, Glyceraldehyde-3-phosphate dehydrogenase protein, MGC127711 protein, MGC103191 protein, wu:fb33a10 protein, OTTHUMP00000174432 protein, cb609 protein, G3PD protein, GAPDH protein, Glyceraldehyde 3 phosphate dehydrogenase protein, OCT1 coactivator in S phase protein, OTTHUMP00000174431 protein, Glyceraldehyde-3-phosphate dehydrogenase 38 kDa BFA-dependent ADP-ribosylation substrate protein, MGC105239 protein, G3PDH protein, BARS-38 protein, MGC88685 protein, MGC103190 protein, GAPD protein, Aging-associated gene 9 protein protein, 38-KD component protein

---

Molecular Weight: 36 kDa (335 AA)

---

## Application Details

---

Application Notes: GAPDH protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

---

Restrictions: For Research Use only

---

## Handling

---

Format: Liquid

---

Concentration: 1 mg/mL

---

Buffer: Supplied as a liquid in 20 mM Tris, pH 8.0, containing 0 mM EDTA, 0 mM DTT, and 20 % glycerol.

---

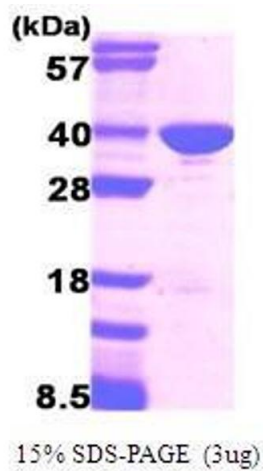
Preservative: Dithiothreitol (DTT)

---

## Handling

Precaution of Use:	This product contains Dithiothreitol: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	RT/-20 °C
Storage Comment:	Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.

## Images



### SDS-PAGE

**Image 1.** Figure annotation denotes ug of protein loaded and % gel used.