

Datasheet for ABIN6387884  
**GAPDH Protein (AA 1-335)**



[Go to Product page](#)

## Overview

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

## Product Details

Sequence:	MGSSHHHHHH SSSLVPRGSH MGSMVKVGVN GFGRIGRLVT RAAICSGKVE IVAINDPFID LNYMVYMFQY DSTHGKFNGT VKAENGKLV NGKPITIFQE RDPTNIKWGE AGAEYVVEST GVFTTMEKAG AHLKGGAKRV IISAPSADAP MFVMGVNHEK YDNSLKIVSN ASCTTNCLAP LAKVIHDNFG IVEGLMTTVH AITATQKTVD GPSGKLWRDG RGAAQNIIPA STGAAKAVGK VIPELNGKLT GMAFRVPTPN VSVVDLTCRL EKPAKYDDIK KVVKQASEGP LKGILGYTED QVVSCDFNSN SHSSTFDAGA GIALNDNFVK LISWYDNEYG YSNRVVDLMA YMASKE
Purity:	> 95 % by SDS - PAGE
Biological Activity Comment:	Specific activity is > 40 units/mg, and is defined as the amount of enzyme that convert 1.0 umole of glyceraldehyde-3-phosphate to 1,3-Bisphosphoglycerate per minute at pH 8.5 at 37C.

## Target Details

---

Target:	GAPDH
Alternative Name:	GAPDH ( <a href="#">GAPDH Products</a> )
Background:	<p>Gapdh, also known as glyceraldehyde 3-phosphate dehydrogenase, is an enzyme of 37 kDa that catalyzes the sixth step of glycolysis and thus serves to break down glucose for energy and carbon molecules. In addition to this long established metabolic function, Gapdh has recently been implicated in several non-metabolic processes, including transcription activation, initiation of apoptosis, ER to Golgi vesicle shuttling, and fast axonal, or axoplasmic transport. Recombinant mouse Gapdh, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.</p>
Molecular Weight:	38.2kDa (356aa) confirmed by MALDI-TOF
NCBI Accession:	<a href="#">NP_032110</a>
UniProt:	<a href="#">P16858</a>

## Application Details

---

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

## Handling

---

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In Phosphate buffer saline ( pH 7.4)containing 20 % glycerol, 1 mM DTT
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.