Datasheet for ABIN5709559

# G3P Protein (AA 2-333) (His tag)

Go to Product page

## 1 Image

## Overview

| | |
|---|---|
| Quantity: | 100 µg |
| Target: | G3P |
| Protein Characteristics: | AA 2-333 |
| Origin: | Chicken |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This G3P protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS) |

## Product Details

| | |
|---|---|
| Sequence: | VKVGVNGFGR IGRLVTRAAV LSGKVQVVAI NDPFIDLNYM VYMFKYDSTH GHFKGTVKAE NGKLVINGHA ITIFQERDPS NIKWADAGAE YVVESTGVFT TMEKAGAHLK GGAKRVIISA PSADAPMFVM GVNHEKYDKS LKIVSNASCT TNCLAPLAKV IHDNFGIVEG LMTTVHAITA TQKTVDGPSG KLWRDGRGAA QNIIPASTGA AKAVGKVIPE LNGKLTGMAF RVPTPNVSVV DLTCRLEKPA KYDDIKRVVK AAADGPLKGI LGYTEDQVVS CDFNGDSHSS TFDAGAGIAL NDHFVKLVSW YDNEFGYSNR VVDLMVHMAS KE |
| Purification: | SDS-PAGE |
| Purity: | > 90 % |

## Target Details

| | |
|---|---|
| Target: | G3P |

## Target Details

| | |
|---|---|
| Alternative Name: | G3P (G3P Products) |
| Target Type: | Phage Protein |
| Background: | Has both glyceraldehyde-3-phosphate dehydrogenase and nitrosylase activities, thereby playing a role in glycolysis and nuclear functions, respectively. 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. Modulates the organization and assbly of the cytoskeleton. Also 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 . |
| Molecular Weight: | 39.7 kDa |
| UniProt: | P00356 |

## Application Details

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|---|---|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

## Handling

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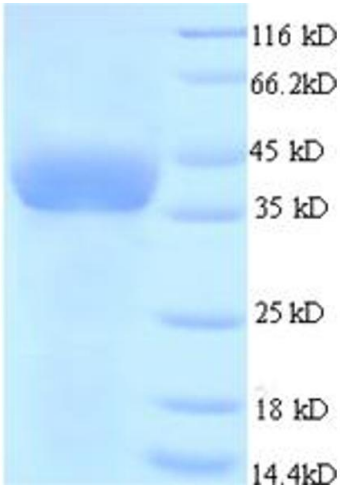
|---|---|
| Format: | Liquid |
| Concentration: | 0.1-2 mg/mL |
| Buffer: | 20 mM Tris-HCl based buffer, pH 8.0 |
| Storage: | -80 °C,4 °C,-20 °C |
| Storage Comment: | Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |




**SDS-PAGE**

**Image 1.**