

GAPDH recombinant protein

Recombinant Human GAPDH Protein

CATALOG # AAA55960	HOST E.coli Full Length protein (P04406)	APPLICATIONS ELISA, Western Blot
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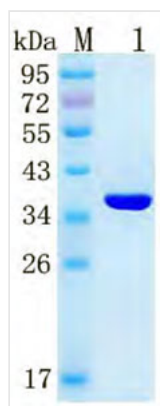
PRODUCT SYNONYMS

GAPDH; Recombinant Human GAPDH Protein; G3PD; GAPD; Peptidyl-cysteine S-nitrosylase GAPDH; GAPDH recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli Full Length protein (P04406)
Purity/Purification	> 90% as determined by SDS-PAGE
Form/Format	In PBS, pH 7.4, with 25% glycerol
Concentration	1 mg/ml (varies by lot)
Sequence	MGKVKVGUNG FGRIGRLVTR AAFNSGKVDI VAINDPFIDL NYMVYMFQYD STHGKFHGTV KAENGKLVIN GNPITIFQER DPSKIKWGDA GAEYVVESTG VFTTMEKAGA HLQGGAKRVI ISAPSADAPM FVMGVNHEKY DNSLKIIISNA SCTTNCLAPL AKVIHDNFGI VEGLMTTVHA ITATQKTVDG PSGKLWRDGR GALQNIIPAS TGAAKAVGKV IPELNGKLTG MAFRVPTANV SVVDLTCRLE KPAKYDDIKK VVKQASEGPL KGILGYTEHQ VVSSDFNSDT HSSTFDAGAG IALNDHFVKL ISWYDNEFGY SNRVVDLMAH MASKE
Sequence Length	293
Applicable Applications for GAPDH recombinant protein	ELISA, WB (Western Blot)
Source	Human
Protein Residues	with N-terminal His-tag
Preparation and Storage	Storage: Store it under sterile conditions at -20°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. **Avoid repeated freeze-thaw cycles.** Stability: The recombinant protein is stable for up to 12 months from date of receipt at -80°C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for GAPDH recombinant protein	Glyceraldehyde 3-phosphate dehydrogenase is an enzyme 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, and ER to Golgi vesicle shuttling. Glyceraldehyde 3-phosphate dehydrogenase (GAPDH) catalyses the conversion of glyceraldehyde 3-phosphate as the name indicates. This is the 6th step of the breakdown of glucose (glycolysis), an important pathway of energy and carbon molecule supply located in the cytosol of eukaryotic cells. Glyceraldehyde 3-phosphate is converted to D-glycerate 1,3-bisphosphate in two coupled steps.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	378404908
NCBI GeneID	2597
NCBI Accession #	NP_001243728.1
NCBI GenBank Nucleotide #	NM_001256799.2
UniProt Accession #	P04406; P00354; Q53X65; E7EUT4
Molecular Weight	Predicted MW: 35kDa Observed MW: 37kDa
NCBI Official Full Name	glyceraldehyde-3-phosphate dehydrogenase isoform 2
NCBI Official Synonym Full Names	glyceraldehyde-3-phosphate dehydrogenase
NCBI Official Symbol	GAPDH
NCBI Official Synonym Symbols	G3PD; GAPD; HEL-S-162eP
NCBI Protein Information	glyceraldehyde-3-phosphate dehydrogenase
UniProt Protein Name	Glyceraldehyde-3-phosphate dehydrogenase
UniProt Gene Name	GAPDH
UniProt Synonym Gene Names	GAPD; GAPDH
UniProt Entry Name	G3P_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/gapdh-recombinant-protein-e-coli-elisa-wb-western-blot/55960>