

Recombinant human Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) (aa 1-335)

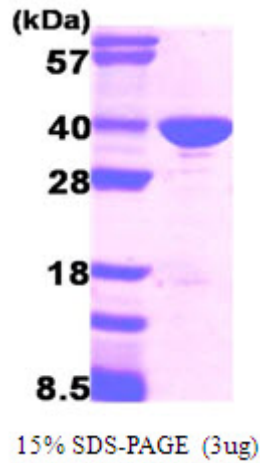
Alternate names:	CDABP0047, GAPD, Glyceraldehyde-3-Phosphate Dehydrogenase
Catalog No.:	AR09029PU-N
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) is a catalytic enzyme commonly known to be involved in glycolysis. The enzyme exists as a tetramer 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.
Uniprot ID:	P04406
NCBI:	NP_002037.2
GeneID:	2597
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% pure by SDS-PAGE Buffer System: 20 mM Tris pH 8.0, 1 mM EDTA, 1 mM DTT, 20% glycerol
Description:	Recombinant GAPDH protein was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGKVKVGVNG FGRIGRLVTR AAFNSGKVDI VAINDPFIDL NYMVYMFQYD STHGKFHGTV KAENGKLVIN GNPITIFQER DPSKIKWGDA GAEYVVESTG VFTTMEKAGA HLQGGAKRVI ISAPSADAPM FVMGVNHEKY DNSLKIISNA SCTTNCLAPL AKVIHDNFGI VEGMLTTVHA ITATQKTVDG PSGKLWRDGR GALQNIIPAS TGAAKAVGKV IPELNGKLTG MAFRVPTANV SVVDLTCRLE KPAKYDDIKK VVKQASEGPL KGILGYTEHQ VVSSDFNSDT HSSTFDAGAG IALNDHFVKL ISWYDNEFGY SNRVVDLMAH MASKE Molecular weight: 36 kDa (335 aa)
Add. Information:	NCBI Accession No.: NP_002037
Storage:	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General References:	Ralser M., et al. (2007).J Biol 21;6(4):10. Tisdale Ej., et al. (2007).Traffic. 8;(6):733-41.

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Pictures:



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