

## GAPDH

### Recombinant Human Glyceraldehyde-3-Phosphate Dehydrogenase (aa 1-335)

<b>Catalog No.</b>	CRG131A	<b>Quantity:</b>	100 µg
	CRG131B		500 µg

**Alternate Names:** G3PD, GAPD

**Description:** 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.

**Concentration:** 1.0 mg/mL

**Gene ID:** 2597

**Protein Accession No:** NP\_002037

**Source:** *E. coli*

**Molecular Weight:** 36 kDa

**Formulation:** Liquid in 20 mM Tris, pH 8.0 + 1 mM EDTA + 1 mM DTT + 20% Glycerol

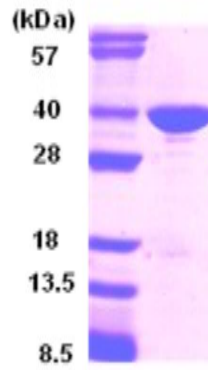
**Purity:** >95% by SDS-PAGE

**Amino Acid Sequence:** MGKVKVGVNG FGRIGRLVTR AAFNSGKVDI VAINDPFIDL NYMVYMFQYD  
STHGKFHGTV KAENGKLVIN GNPITIFQER DPSKIKWGDA GA EYVVESTG  
VFTTMEKAGA HLQGGAKRVI ISAPSADAPM FVMGVNHEKY DNSLKIISNA  
SCTTNCLAPL AKVIHDNFGI VEGLMTTVHA ITATQKTVDG PSGKLWRDGR  
GALQNIIPAS TGAAKAVGKV IPELNGKLTG MAFRVPTANV SVVDLTCRLE  
KPAKYDDIKK VVKQASEGPL KGILGYTEHQ VVSSDFNSDT HSSTFDAGAG  
IALNDHFVKL ISWYDNEFGY SNRVVDLMAH MASKE

**Storage & Stability:** Store in working aliquots at -20°C. **Avoid repeated freeze-thaw cycles.**

3 µg on a 15% SDS-PAGE





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