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GAPDH, 1-335aa, Human, E.coli (Bioactivity Validated)

产品货号: TP02197

第三版

别名: Glyceraldehyde-3-phosphate dehydrogenase, G3PD, GAPD.

描述: 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.

配方: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 1 mM EDTA, 20% glycerol

分子量: 36kDa (335aa), confirmed by MALDI-TOF

序列:

MGKVKVGVNGFGRIGRLVTRAAFNSGKVDIVAINDPFIDLNYMVYMFQYDSTHGKFGHTVKAENGKLVINGNPITIFQE
RDPKIKWGDAGAEYVVESTGVFTTMEKAG AHLQGGAKRVIISAPSADAPMFVMGVNHEKYDNSLKIISNASCTTNCLAP
LAKVIHDNFGIVEGLMTTVHAITATQKTVDGPGSKLWRDGRGALQNIIPASTGAAKAVGKVIPELNGKLTGMAFRVPTA
NVSVVDLTCRLEKPAKYDDIKKVVKQASEGPLKGILGYTEHQVVSDFNSDTHSSTFDAGAGIALNDHFVKLISWYDNEF
GYSNRVVDLMAHMASKE

纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.