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GAPDH, 1-333aa, Mouse, His-tag, E.coli (Bioactivity Validated)

产品货号: TP02196

第三版

别名:Glyceraldehyde-3-phosphate dehydrogenase isoform 2, G3PD, GAPD, HEL-S-162eP.

描述:Gapdh, also known as glyceraldehyde 3-phosphate dehydrogenase, is an enzyme of 37kDa 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, ER to Golgi vesicle shuttling, and fast axonal, or axoplasmic transport. Recombinant mouse Gapdh, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In Phosphate buffer saline (pH 7.4)containing 20% glycerol, 1mM DTT

分子量:38.2kDa (356aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMVKVGVNGFGRIGRLVTRAAICSGKVEIVAINDPFIDLNYMVYMFQYDSTHGKFN  
GTVKAENGLVINGKPITIFQERDPTNIKWGEAGA EYVVESTGVFTTMEKAG AHLKGGAKRVIISAPSADAPMFVMGVN  
HEKYDNSLKIVSNASCTTNCLAPLAKVIHDNFGIVEGLMTTVHAITATQKTVDGPSGKLWRDGRGAAQNIIPASTGAAKA  
VGKVIPELNGKLTGMAFRVPTPNVSVVDLTCRLEKPAKYDDIKKVVKQASEGPLKGILGYTEDQVVSCDFNSNSHSSTFD  
AGAGIALNDNFVKLISWYDNEYGYSNRVVDLMAYMASKE

纯度:> 95% by HPLC

浓度:0.25mg/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.