Recombinant Human GAPDH protein, T7/His-tagged

Cat. No. GAPDH-231H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GAPDH cDNA (2 – 335 aa, Isoform-I) fused with T7-His-TEV cleavage site Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-335 a.a.
Form	0.2 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Sucrose.
AA Sequence	MASMTGGQQMGRGHHHHHHENLYFQGGEFGKVKVGVNGFGRIGRLVTRAAFNSG KVDIVAINDPFIDLNYMVYMF QYDSTHGKFHGTVKAENGKLVINGNPITIFQERDPSKI KWGDAGAEYVVESTGVFTTMEKAGAHLQGGAKRVIIS APSADAPMFVMGVNHEKY DNSLKIISNASCTTNCLAPLAKVIHDNFGIVEGLMTTVHAITATQKTVDGPSGKLWR D GRGALQNIIPASTGAAKAVGKVIPELNGKLTGMAFRVPTANVSVVDLTCRLEKPAKY DDIKKVVKQASEGPLKG ILGYTEHQVVSSDFNSDTHSSTFDAGAGIALNDHFVKLIS WYDNEFGYSNRVVDLMAHMASKE
Purity	>90% by SDS-PAGE
Storage	Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

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GENE INFORMATION

Gene Name	GAPDH glyceraldehyde-3-phosphate dehydrogenase [Homo sapiens]
Official Symbol	GAPDH
Synonyms	GAPDH; glyceraldehyde-3-phosphate dehydrogenase; GAPD; aging-associated gene 9 protein; peptidyl-cysteine S-nitrosylase GAPDH; G3PD; MGC88685;
Gene ID	2597
mRNA Refseq	NM_001256799
Protein Refseq	NP_001243728
MIM	138400
UniProt ID	P04406
Chromosome Location	12p13.31
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Gluconeogenesis, organism-specific biosystem; Gluconeogenesis, oxaloacetate =>fructose-6P, organism-specific biosystem; Gluconeogenesis, oxaloacetate =>
Function	NAD binding; NADP binding; glyceraldehyde-3-phosphate dehydrogenase (NAD+) (phosphorylating) activity; glyceraldehyde-3-phosphate dehydrogenase (NAD+) (phosphorylating) activity; oxidoreductase activity; peptidyl-cysteine S-nitrosylase activity; protein b

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