

## Recombinant Human GAPDH protein, T7/His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	2-335 a.a.
<b>Form</b>	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.
<b>AA Sequence</b>	MASMTGGQQMGRGRGHHHHHHENLYFQGGFEGKVKVGVNGFGRIGRLVTRAAFNSG KVDIVAINDPFIDLNYMVYMF QYDSTHGKFGHTVKAENGKLVINGNPITIFQERDPSKI KWGDAGAEYVVESTGVFTTMEKAGAHLQGGAKRVIIS APSADAPMFVMGVNHEKY DNSLKIISNASCTTNCLAPLAKVIHDNFGIVEGLMTTVHAITATQKTVDGSPGKLWR D GRGALQNIIPASTGAAKAVGKVIPELNGKLTGMAFRVPTANVSVVDLTCRLEKPAKY DDIKKVVQASEGPLKG ILGYTEHQVVSSDFNSDTHSSTFDAGAGIALNDHFVKLIS WYDNEFGYSNRVVDLMAHMASKE
<b>Purity</b>	>90% by SDS-PAGE
<b>Storage</b>	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

<b>Gene Name</b>	GAPDH glyceraldehyde-3-phosphate dehydrogenase [ Homo sapiens ]
<b>Official Symbol</b>	GAPDH
<b>Synonyms</b>	GAPDH; glyceraldehyde-3-phosphate dehydrogenase; GAPD; aging-associated gene 9 protein; peptidyl-cysteine S-nitrosylase GAPDH; G3PD; MGC88685;
<b>Gene ID</b>	2597
<b>mRNA Refseq</b>	NM_001256799
<b>Protein Refseq</b>	NP_001243728
<b>MIM</b>	138400
<b>UniProt ID</b>	P04406
<b>Chromosome Location</b>	12p13.31
<b>Pathway</b>	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 =>
<b>Function</b>	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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