

## Product datasheet for TP504934

### Gapdh (NM\_008084) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse glyceraldehyde-3-phosphate dehydrogenase (Gapdh), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204934 protein sequence Red=Cloning site Green=Tags(s)

MVKVGVNGFGRIGRLVTRAAICSGKVEIVAINDPFDLNYMVYMFQYDSTHGKFNGLTVKAENGLVINGK  
PITIFQERDPTNIKWGEAGA EYVVESTGVFTTMEKAGAHKGGAKRVIISAPSADAPMFVMGVNHEKYDN  
SLKIVSNASCTTNCLAPLAKVIHDNFGIVEGLMTTVHAIATQKTVDGSPGKLRDGRGAAQNIIPASTG  
AAKAVGKVIPELNGKLTGMAFRVPTPNVSVVDLTCRLEKPAKYDDIKKVKQASEGPLKGILGYTEDQVW  
SCDFNSNSHSSTFDAGAGIALNDNFVKLISWYDNEYGYSNRVVDLMAYMASKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	35.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_032110</a>
Locus ID:	14433
UniProt ID:	<a href="#">P16858</a> , <a href="#">D2KHZ9</a>



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RefSeq Size: 1444

Cytogenetics: 6 59.32 cM

RefSeq ORF: 999

Synonyms: Ga; Gapd

**Summary:** This gene encodes a member of the glyceraldehyde-3-phosphate dehydrogenase protein family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. The encoded protein was originally identified as a key glycolytic enzyme that converts D-glyceraldehyde 3-phosphate (G3P) into 3-phospho-D-glyceroyl phosphate. Subsequent studies have assigned a variety of additional functions to the protein including nitrosylation of nuclear proteins, the regulation of mRNA stability, and acting as a transferrin receptor on the cell surface of macrophage. Alternative splicing results in multiple transcript variants. Many pseudogenes similar to this locus are found throughout the mouse genome. [provided by RefSeq, Jan 2014]