

## Product datasheet for **AR51808PU-N**

### GAPDH (1-333, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	GAPDH (1-333, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSSLVPRGSH MGSMVKVGVN GFGRIGRLVT RAAICSGKVE IVAINDPFID LNYMVYMFQY DSTHGKFNGT VKAENGLVI NGKPITIFQE RDPTNIKWGE AGAEYVVEST GVFTTMEKAG AHLKGGAKRV IISAPSADAP MFVMGVNHEK YDNSLKIVSN ASCTTNCLAP LAKVIHDNFG IVEGLMTTVH AITATQKTVD GPSGKLWRDG RGAAQNIIPA STGAACKAVGK VIPELNGKLT GMAFRVPTPN VSVDLTCRL EKPAKYDDIK KVKQASEGP LKGILGYTED QVWSCDFNSN SHSSTFDAGA GIALNDNFVK LISWYDNEYG YSNRVVDLMA YMASKE
Tag:	His-tag
Predicted MW:	38.2 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate buffer saline (pH 7.4)containing 20% glycerol 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant mouse Gapdh, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">XP_001476757</a>
Locus ID:	100042025
UniProt ID:	<a href="#">P16858</a> , <a href="#">D2KHZ9</a>
Cytogenetics:	Y B



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**Summary:**

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.

**Product images:**