Recombinant Dog Glyceraldehyde-3-phosphate dehydrogenase (GAPDH)

Product Code	CSB-MP009232DO
Abbreviation	GAPDH
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q28259
Product Type	Recombinant Protein
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)
Purity	>85% (SDS-PAGE)
Sequence	VKVGVNGFG RIGRLVTRAA FNSGKVDIVA INDPFIDLNY MVYMFQYDST HGKFHGTVKA ENGKLVINGK SISIFQERDP ANIKWGDAGA EYVVESTGVF TTMEKAGAHL KGGAKRVIIS APSADAPMFV MGVNHEKYDN SLKIVSNASC TTNCLAPLAK VIHDHFGIVE GLMTTVHAIT ATQKTVDGPS GKMWRDGRGA AQNIIPASTG AAKAVGKVIP ELNGKLTGMA FRVPTPNVSV VDLTCRLEKA AKYDDIKKVV KQASEGPLKG ILGYTEDQVV SCDFNSDTHS STFDAGAGIA LNDHFVKLIS WYDNEFGYSN RVVDLMVYMA SKE
Source	Mammalian cell
Target Names	GAPDH
Protein Names	Recommended name: Glyceraldehyde-3-phosphate dehydrogenase Short name= GAPDH EC= 1.2.1.12 Alternative name(s): Peptidyl-cysteine S-nitrosylase GAPDH EC= 2.6.99.-
Expression Region	2-333
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	The product of this gene catalyzes an important energy-yielding step in carbohydrate metabolism, the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD). The enzyme exists as a tetramer of identical chains. Many pseudogenes similar to this locus are present in the human genome.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final

	concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.