Recombinant Human Glyceraldehyde-3-phosphate dehydrogenase, testis-specific (GAPDHS)

Product Code	CSB-EP009254HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O14556
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MSKRDIVLTN VTVVQLLRQP CPVTRAPPPP EPKAEVEPQP QPEPTPVREE IKPPPPPLPP HPATPPPKMV SVARELTVGI NGFGRIGRLV LRACMEKGVK VVAVNDPFID PEYMVYMFKY DSTHGRYKGS VEFRNGQLVV DNHEISVYQC KEPKQIPWRA VGSPYVVEST GVYLSIQAAS DHISAGAQRV VISAPSPDAP MFVMGVNEND YNPGSMNIVS NASCTTNCLA PLAKVIHERF GIVEGLMTTV HSYTATQKTV DGPSRKAWRD GRGAHQNIIP ASTGAAKAVT KVIPELKGKL TGMAFRVPTP DVSVVDLTCR LAQPAPYSAI KEAVKAAAKG PMAGILAYTE DEVVSTDFLG DTHSSIFDAK AGIALNDNFV KLISWYDNEY GYSHRVVDLL RYMFSRDK
Source	E.coli
Target Names	GAPDHS
Protein Names	Recommended name: Glyceraldehyde-3-phosphate dehydrogenase, testis-specific EC= 1.2.1.12 Alternative name(s): Spermatogenic cell-specific glyceraldehyde 3-phosphate dehydrogenase 2 Short name= GAPDH-2 Spermatogenic glyceraldehyde
Expression Region	1-408
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 protein
Target Details	This gene encodes a protein belonging to the glyceraldehyde-3-phosphate dehydrogenase family of enzymes that play an important role in carbohydrate metabolism. Like its somatic cell counterpart, this sperm-specific enzyme functions in a nicotinamide adenine dinucleotide-dependent manner to remove hydrogen and add phosphate to glyceraldehyde 3-phosphate to form 1,3-diphosphoglycerate. During spermiogenesis, this enzyme may play an important role in regulating the switch between different energy-producing pathways, and it is required for sperm motility and male fertility.
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.