



Recombinant Sheep Growth/differentiation factor 9 (GDF9)

Product Code	CSB-EP009352SH-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O77681
Product Type	Recombinant Protein
Immunogen Species	Ovis aries (Sheep)
Purity	≥85% (SDS-PAGE)
Sequence	DQ ESASSELKKP LVPASVNLSE YFKQFLFPQN ECELHDFRLS FSQLKWDNWI VAPHKYNPRY CKGDCPRAVG HRYGSPVHTM VQNIIEKLD SSVPRPSCVP AKYSPLSVLA IEPDGSIAVK EYEDMIATKC TCR
Source	E.coli
Target Names	GDF9
Protein Names	Recommended name: Growth/differentiation factor 9 Short name= GDF-9
Expression Region	319-453
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	Growth factors synthesized by ovarian somatic cells directly affect oocyte growth and function. Growth differentiation factor-9 (GDF9) is expressed in oocytes and is thought to be required for ovarian folliculogenesis. GDF9 is a member of the transforming growth factor-beta superfamily.
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.