



Recombinant Sheep Inhibin beta A chain (INHBA)

Product Code	CSB-EP011719SH-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P43032
Product Type	Recombinant Protein
Immunogen Species	Ovis aries (Sheep)
Purity	>85% (SDS-PAGE)
Sequence	G LECDGKVNIC CKKQFYVSFK DIGWNDWIIA PSGYHANYCE GECPSHIAGT SGSSLSFHST VINHYRMRGH SPFANLKSCC VPTKLRPMSM LYYDDGQNII KKDIQNMIVE ECGCS
Source	E.coli
Target Names	INHBA
Protein Names	Recommended name: Inhibin beta A chain Alternative name(s): Activin beta-A chain
Expression Region	310-425
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	<p>The inhibin beta A subunit joins the alpha subunit to form a pituitary FSH secretion inhibitor. Inhibin has been shown to regulate gonadal stromal cell proliferation negatively and to have tumor-suppressor activity. In addition, serum levels of inhibin have been shown to reflect the size of granulosa-cell tumors and can therefore be used as a marker for primary as well as recurrent disease. Because expression in gonadal and various extragonadal tissues may vary severalfold in a tissue-specific fashion, it is proposed that inhibin may be both a growth/differentiation factor and a hormone. Furthermore, the beta A subunit forms a homodimer, activin A, and also joins with a beta B subunit to form a heterodimer, activin AB, both of which stimulate FSH secretion. Finally, it has been shown that the beta A subunit mRNA is identical to the erythroid differentiation factor subunit mRNA and that only one gene for this mRNA exists in the human genome.</p>
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	<p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life</p>



of lyophilized form is 12 months at -20°C/-80°C.