



# Recombinant Human Inhibin beta A chain (INHBA) (Active)

<b>Product Code</b>	CSB-MP011719HU1b0
<b>Abbreviation</b>	Recombinant Human INHBA protein (Active)
<b>Storage</b>	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.
<b>Uniprot No.</b>	P08476
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm sterile filtered PBS, 6% Trehalose, pH 7.4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	<p>① Measured by its ability to inhibit proliferation of MPC-11 cells. The ED50 for this effect is 0.9519-1.213 ng/mL.</p> <p>② Measured by its binding ability in a functional ELISA. Immobilized Human INHBA at 2 μg/mL can bind Human ACVR2A (CSB-MP001260HU1d9). The EC50 is 74.75-84.73 ng/mL.</p> <p>③ Measured by its binding ability in a functional ELISA. Immobilized Human INHBA at 2 μg/mL can bind Human ACVR2B (CSB-MP623829HU1i9). The EC50 is 45.93-52.42 ng/mL.</p> <p>④ Measured by its binding ability in a functional ELISA. Immobilized Human INHBA at 2 μg/mL can bind Anti-INHBA recombinant antibody (CSB-RA011719MA1HU). The EC50 is 10.28-12.68 ng/mL.</p>
<b>Purity</b>	≥ 95% as determined by SDS-PAGE.
<b>Sequence</b>	<p>SPTPGSEGHSAAPDCPSCALAALPKDVPNSQPPEMVEAVKKHILNMLHLKCRP  DVTQPVPKAALLNAIRKLHVGVGENGYVEIEDDIGRRAEMNELMEQTSEIITF  AESGTARKTLHFEISKEGSDLSVVERAEVWFLKVPKANRTRTKVTIRLFQQQK  HPQGSLDTGEEAEEVGLKGERSELLSEKVVDARKSTWHVFPVSSSIQRLLDQ  GKSSLDVRIACEQCQESGASLVLLGKKKKKEEGEGKKKGGGEGGAGADEEK  EQSHRPFLMLQARQSEDPHRRRRRGLCDGKVNICKKQFFVFSFKDIGWN  DWIIPSGYHANYCEGECPSHIAGTSGSSLSFHSTVINHYRMRGHSPFANLKS  CCVPTKLRPMSMLYDDGQNIKKDIQNMIVEECGCS</p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	INHBA
<b>Expression Region</b>	21-426aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

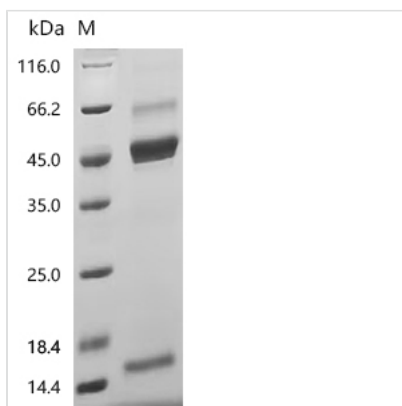


**Tag Info** N-terminal 10xHis-tagged

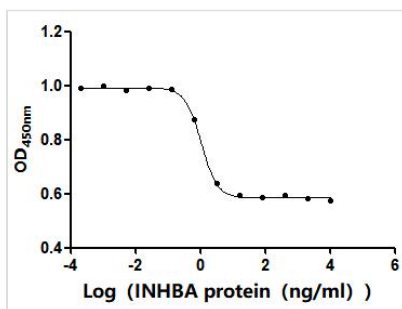
**Mol. Weight** 46.5 kDa

**Protein Length** Full Length

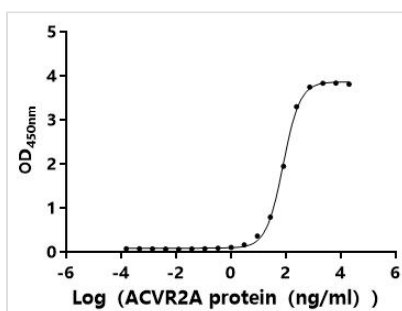
**Image**



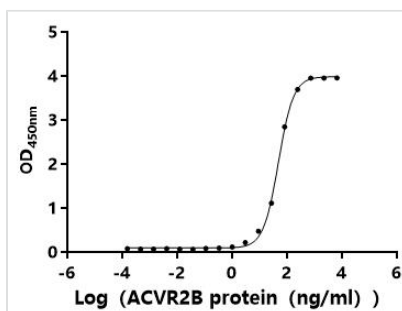
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



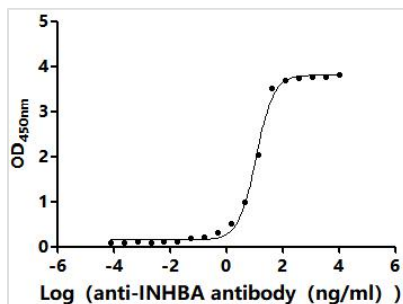
**Activity**  
Measured by its ability to inhibit proliferation of MPC-11 cells. The ED<sub>50</sub> for this effect is 0.9519-1.213 ng/mL.



**Activity**  
Measured by its binding ability in a functional ELISA. Immobilized Human INHBA at 2 μg/ml can bind Human ACVR2A (CSB-MP001260HU1d9). The EC<sub>50</sub> is 74.75-84.73 ng/mL.



**Activity**  
Measured by its binding ability in a functional ELISA. Immobilized Human INHBA at 2 μg/ml can bind Human ACVR2B (CSB-MP623829HUi9). The EC<sub>50</sub> is 45.93-52.42 ng/mL.


**Activity**

Measured by its binding ability in a functional ELISA. Immobilized Human INHBA at 2 µg/ml can bind Anti-INHBA recombinant antibody (CSB-RA011719MA1HU). The EC<sub>50</sub> is 10.28-12.68 ng/mL.

**Endotoxin**

Less than 1.0 EU/ug as determined by LAL method.

**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.