



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

Product Code	CSB-MP011719HU1b0
Abbreviation	Recombinant Human INHBA protein (Active)
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.	P08476
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 μm sterile filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	<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>
Purity	Greater than 95% as determined by SDS-PAGE.
Sequence	<p>SPTPGSEGHSAAAPDCPSCALAALPKDVPNSQPPEMVEAVKKHILNMLHLKGRP DVTQPVPKAAALLNAIRKLHVGVGENGYVEIEDDIGRRAEMNELMEQTSEIITF AESGTARKTLHFEISKEGSDLSVVERAEVWFLKVPKANRTRTKVTIRLFQQQK HPQGS�DTGEEAEEVGLKGERSELLLSEKVVDARKSTWHVFPVSSSIQRLLDQ GKSSLDVRIACEQCQESGASLVLLGKKKKKEEGEGKKGGGEGGAGADEEK EQSHRPFLMLQARQSEDHPHRRRRRGLCDGKVNICKKQFFVSKDIGWN DWIAPSGYHANYCEGECPSHIAGTSGSSLSFHSTVINHYRMRGHSPFANLKS CCVPTKLRPMSMLYYDDGQNIKKDIQNMIVEECGCS</p>
Source	Mammalian cell
Target Names	INHBA
Expression Region	21-426aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

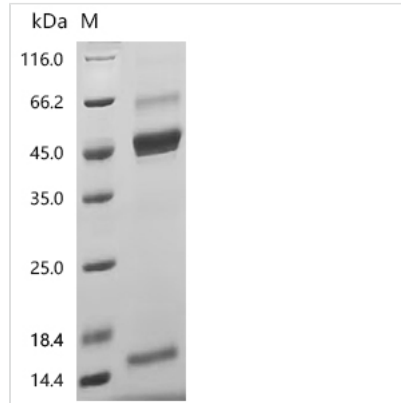


Tag Info N-terminal 10xHis-tagged

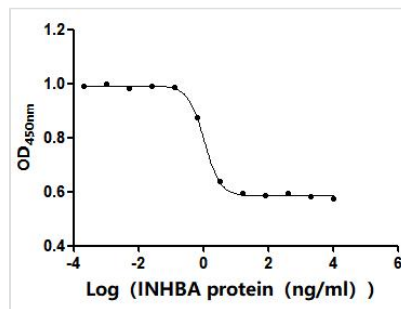
Mol. Weight 46.5 kDa

Protein Length Full Length

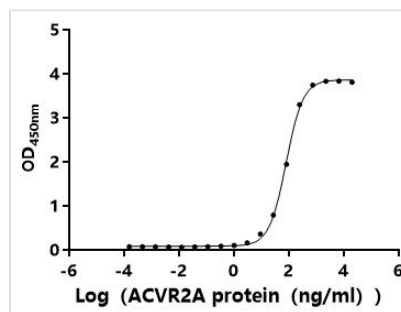
Image



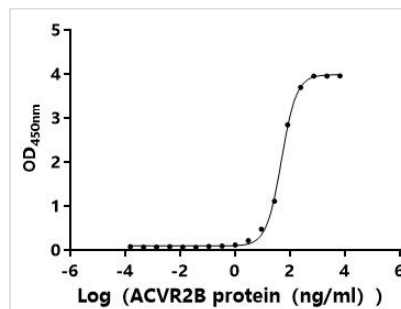
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



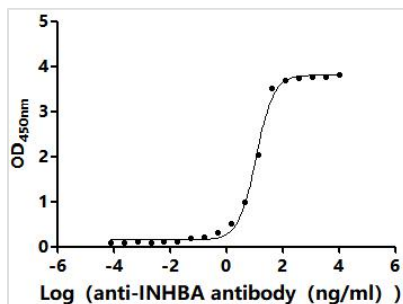
Activity
Measured by its ability to inhibit proliferation of MPC-11 cells. The ED₅₀ for this effect is 0.9519-1.213 ng/mL.



Activity
Measured by its binding ability in a functional ELISA. Immobilized Human INHBA at 2 µg/ml can bind Human ACVR2A (CSB-MP001260HU1d9). The EC₅₀ 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-MP623829HU19). The EC₅₀ 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 EC₅₀ 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.

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