

Bioactive

INHBA (Human/Mouse/Rat) Recombinant Protein

Catalog # P6456

Size 10 ug

Applications

Result of activity analysis

Result of activity analysis

□

Specification

Product Description Human/Mouse/Rat INHBA (P08476/Q04998/P18331) recombinant protein expressed in *E.Coli*.

Sequence MGLECDGKVNICKKKQFFVSFKDIGWNDWIAPSGYHANYCEGECPSHIAGTSGSSLSFHSTVINH
YRMRGHSPFANLKSCCVPTKLRPMSMLYYDDGQNIKKDIQNMIVEECGCS

Host Escherichia coli

Theoretical MW (kDa) 13.1/26.2

Form Lyophilized

Purity >= 95%

Endotoxin Level <= 1 EUs/ug (Kinetic LAL)

Activity ED₅₀ <= 10 ng/mL
Cytotoxicity of MPC-11 cells

The values provided above are minimum expected values to pass internal requirements.

Quality Control Testing Reducing and Non-Reducing SDS PAGE

Conformation Dimer

Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA).
Storage Instruction	Stored at -20°C to -80°C for 12 month. After reconstitution with sterile water at 0.1 mg/mL, store at -20°C to -80°C for 3 months, store at 4°C for 1 month. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Western Blot
- Functional Study

Gene Info — INHBA

Entrez GeneID	3624
Protein Accession#	P08476;Q04998;P18331
Gene Name	INHBA
Gene Alias	EDF, FRP
Gene Description	inhibin, beta A
Omim ID	147290
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	FSH-releasing protein inhibin, beta-1 erythroid differentiation factor follicle-stimulating hormone-releasing protein inhibin beta A inhibin, beta A (activin A, activin AB alpha polypeptide)

Gene Info — Inhba

Entrez GeneID	16323
Protein Accession#	P08476;Q04998;P18331
Gene Name	Inhba
Gene Alias	-
Gene Description	inhibin beta-A
Gene Ontology	Hyperlink
Other Designations	activin inhibin beta A

Gene Info — Inhba

Entrez GeneID	29200
Protein Accession#	P08476;Q04998;P18331
Gene Name	Inhba
Gene Alias	-
Gene Description	inhibin beta-A
Gene Ontology	Hyperlink
Other Designations	activin A inhibin beta A

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [TGF-beta signaling pathway](#)

Disease

- [Amyotrophic lateral sclerosis](#)

- [Anoxia](#)
- [Breast Neoplasms](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Disease Models](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Testicular Neoplasms](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)