Bioactive

INHBA (Human/Mouse/Rat) Recombinant Protein

Catalog # P6457 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	MGLECDGKVNICCKKQFFVSFKDIGWNDWIIAPSGYHANYCEGECPSHIAGTSGSSLSFHSTVINH YRMRGHSPFANLKSCCVPTKLRPMSMLYYDDGQNIIKKDIQNMIVEECGCS
Host	Escherichia coli
Theoretical MW (kDa)	13.1/26.2
Form	Lyophilized
Preparation Method	This product is produced with no animal or human origin raw products. All processing and handling e mploys animal free equipment and animal free protocols.
Purity	>= 95%
Endotoxin Level	<= 1 EUs/ug (Kinetic LAL)
Activity	ED_{50} <= 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

- Functional Study
- Western Blot

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Other Designations	FSH-releasing protein|Inhibin, beta-1|erythroid differentiation factor|follicle-stimulating hormone-rel easing 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.