

Active GMP Recombinant Human INHBA Protein

Cat. No. INHBA-114HG Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human INHBA, Gly311-Ser426, was produced in CHO cell under cGMP guidelines.
Species	Human
Source	CHO
ProteinLength	311-426 a.a.
Form	Lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA.
Bio-activity	Measured by its ability to induce hemoglobin expression in K562 human chronic myelogenous leukemia cells. Schwall, R.H. et al. (1991) Method Enzymol. 198:340. The ED50 for this effect is 0.2-1.2 ng/mL. The specific activity of Recombinant Human/Mouse/Rat Activin A is approximately 1 IU/µg, which is calibrated against human Activin A WHO International Standard (NIBSC code: 91/626).
Molecular Mass	Predicted Molecular Mass: 13 (monomer) kDa SDS-PAGE: 14 kDa, reducing conditions 24 kDa, non-reducing conditions
N-terminal Sequence Analysis	Gly311-Leu-Glu-(Cys)-Asp-Gly-Lys-Val-Asn-Ile

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>97%, by SDS-PAGE with silver staining.
Storage	Avoid repeated freeze-thaw cycles. 12 months, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 100-500 µg/mL in sterile 4 mM HCl.
Quality Statement	Our GMP proteins are produced according to relevant sections of the following documents: WHO TRS, No. 822, 1992 Annex 1, Good Manufacturing Practices for Biological Products; USP Chapter 1043, Ancillary Materials for Cell, Gene and Tissue-Engineered Products and USP Chapter 92, Growth Factors and Cytokines Used in Cell Therapy Manufacturing.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

GENE INFORMATION

Gene Name	INHBA inhibin, beta A [Homo sapiens]
Official Symbol	INHBA
Synonyms	INHBA; inhibin, beta A;inhibin beta A chain; Inhibin, beta-1; activin beta-A chain; EDF; FRP;
Gene ID	3624

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mRNA Refseq	NM_002192
Protein Refseq	NP_002183
MIM	147290
UniProt ID	P08476

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