

ANTIGENIX AMERICA, INC.

PRODUCT INFORMATION SUMMARY

Human FGFR3- (IIIc)-Fc

Purified Factor	Product Number	HC67731A	10.0 ug
		HC67731B	50.0 ug

DESCRIPTION:

Human Fibroblast Growth factor Receptor-3 alpha (IIIc-Fc) , also known as CD333 and ACH, is an FGF ligand that binds to type I transmembrane tyrosine kinase receptor. Four genes are known to encode FGF receptors .

This recombinant human FGFR3 (IIIc)-Fc is glycosylated homodimer with a 353 aa extracellular portion fused to a 231 aa. Fc portion of human IgG1.

Total molecular weight is approximately 128 hDa, but gel migration shows apparent mw of approx. 110 kDa by SDS-PAGE and reducing conditions.

SOURCE: CHO cells
Purity > 96% by HPLC analysis
Endotoxin < 0.1 ng per ug Human FGFR3

BIOLOGICAL ACTIVITY:

Fully biologically active when compared to standards.

Activity determined by stimulation of thymidine uptake by BaF3 cells expressing FGF receptors. Half-maximal affect @ approx. 0.10 ug/mL corresponds to specific activity of 2×10^4 units/mg.

HANDLING AND STORAGE:

Purified Human FGFR3 factor is provided lyophilized and free of additives. Store lyophilized, at -20° C. **Spin-down** vial prior to opening.

Reconstitute with 50 uL distilled water, then further dilute in PBS or other buffered solutions containing 0.1% BSA. Store small aliquots at -20° C, with addition of 0.1% BSA, for long-term storage -up to 3 months, at high concentration.

Microcentrifuge before reconstitution. Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial**, we recommend micro-centrifuging for 30 seconds to spin-down all material.

RESEARCH USE ONLY -NOT for DRUG USE

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