

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982 Email: info@abeomics.com

32-20229: Animal-Free Recombinant Human TGF-Beta3(Discontinued)

 Reactivity :
 Human, Mouse, Rat

 Alternative Name :
 Transforming Growth Factor-Beta3

Description

Source:E.coli

The three mammalian isoforms of TGF-Beta, TGF-Beta1, Beta2, and Beta3, signal through the same receptor and elicit similar biological responses. They are multifunctional cytokines that regulate cell proliferation, growth, differentiation and motility, as well as synthesis and deposition of the extracellular matrix. They are involved in various physiological processes, including embryogenesis, tissue remodeling and wound healing. They are secreted predominantly as latent complexes, which are stored at the cell surface and in the extracellular matrix. The release of the biologically active TGF-Beta isoform from a latent complex involves proteolytic processing of the complex and/or induction of conformational changes by proteins such as thrombospondin-1. The physiological role of TGF-Beta3 is still unknown, but its expression pattern suggests a role in the regulation of certain development processes. Recombinant Human TGF-Beta3 is a 25.0 kDa protein composed of two identical 112 amino acid polypeptide chains linked by a single disulfide bond.

Product Info

 Amount :
 2 μg / 10 μg

 Purification :
 Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

 Amino Acid :
 ALDTNYCFRN LEENCCVRPL YIDFRQDLGW KWVHEPKGYY ANFCSGPCPY LRSADTTHST VLGLYNTLNP EASASPCCVP QDLEPLTILY YVGRTPKVEQ LSNMVVKSCK CS

Application Note

Determined by TGF-Beta $3\tilde{A}$ \hat{a} bility to inhibit the mouse IL-4-dependent proliferation of mouse HT-2 cells. The expected \tilde{A} \hat{A} $\hat{ED}_{50_{s-2-0.55 \text{ mont, corresponding to a specific activity of 2 \times 10^{---}}$