9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TGFB2 Human, HEK

Transforming Growth Factor-Beta 2 Human Recombinant, HEK
GRF0392

Product Overview

Name	TGFB2 Human, HEK

Description

Transforming Growth Factor-Beta 2 Human Recombinant, HEK

Accession (Primary)	P61812

Synonyms

Transforming growth factor, beta 2, cetermin, Glioblastoma-derived T-cell suppressor factor, polyergin, G-TSF, TGF-beta2, TGF-beta-2, transforming growth factor beta-2, BSC-1 cell growth inhibitor, TGFB-2.

Introduction

TGFB2 is a 27.08 kDa protein having two identical 118 amino acid peptide chains linked by a single disulfide bond. TGFB2 is part of a family of five related cytokines that have an extensive variation of normal and neoplastic cells, indicating the importance of these homo-dimmer proteins as multi-functional regulators of cellular activity. The three mammalian isoforms of TGF-beta (TGFb1, TGFb2 and TGFb3) signal through the same receptor and stimulate similar biological responses. They are involved in physiological processes as embryogenesis, tissue remodelling and wound healing.

Source

HEK.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

TGF-b 2 was lyophilized from a 0.2 μm filtered solution containing 50mM sodium acetate pH 4.5.

Stability

Lyophilized TGF-b 2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TGF-b 2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 95% as obsereved by SDS-PAGE.

Biological Activity

The specific activity was determined by the dose-dependent inhibition of IL-4 induced proliferation of mouse HT-2 cells

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

(BALB/c spleen activated by sheep erythrocytes in the presence of IL-2), the ED 50 is 0.16ng/ml.

Solubility

It is recommended to reconstitute the lyophilized TGF-b 2 in sterile solution containing 20% ethanol, 50mM sodium acetate and 75mM acetic acid.

Precautions

TGFB2 Human, HEK is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P61812)