

Datasheet for ABIN7319106 **TGFB2 Protein**



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Overview

Quantity:	50 µg
Target:	TGFB2
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Recombinant Human TGFB2 Protein (Active)
Sequence:	Ala303-Ser414
Characteristics:	Recombinant Human Transforming Growth Factor beta 2 is produced by our Mammalian expression system and the target gene encoding Ala303-Ser414 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to inhibit the IL-4-dependent proliferation of TF-1 mouse T cells. The ED50 for this effect is 0.3-1.5 ng/ml.

Target Details

Target:	TGFB2
Alternative Name:	TGFB2 (TGFB2 Products)

Target Details

Background:	<p>Background: Transforming growth factor beta-2 (TGF-β2) is a secreted protein which belongs to the TGF-beta family. It is known as a cytokine that performs many cellular functions and has a vital role during embryonic development. The precursor is cleaved into mature TGF-beta-2 and LAP, which remains non-covalently linked to mature TGF-beta-2 rendering it inactive. It is an extracellular glycosylated protein. It is known to suppress the effects of interleukin dependent T-cell tumors. Defects in TGFB2 may be a cause of non-syndromic aortic disease (NSAD).</p> <p>Synonym: Transforming growth factor beta-2,TGFB2,Polyergin,G-TSF,Glioblastoma-derived T-cell suppressor factor,Cetermin,BSC-1 cell growth inhibitor,TGF-beta-2</p>
Molecular Weight:	12.7 kDa
UniProt:	P61812
Pathways:	Cell-Cell Junction Organization , Production of Molecular Mediator of Immune Response , Protein targeting to Nucleus

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 4 mM HCl.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>