Datasheet for ABIN7505428

TGFB2 Protein (AA 21-302) (His tag)

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Overview

Quantity:	100 µg
Target:	TGFB2
Protein Characteristics:	AA 21-302
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGFB2 protein is labelled with His tag.

Product Details

Sequence:	Leu 21-Arg 302
Characteristics:	A DNA sequence encoding the mouse TGF-beta 2/TGFB2 protein (P27090) (Leu 21-Arg 302) was expressed with N-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	TGFB2
Alternative Name:	TGF-beta 2 (TGFB2 Products)
Background:	Abbreviation: TGF-beta 2,TGFB2 Target Synonym: TGFB2,BSC-1 cell growth inhibitor,Cetermin,Glioblastoma-derived T-cell suppressor factor,G-TSF,MGC116892,Polyergin,TGF-beta2,TGF-beta-2,transforming growth factor beta-2

Target Details

	Background: Transforming growth factor beta 2 (TGF-β2) is a member of TGF-beta superfamily that shares a characteristic cysteine knot structure. Mice with TGF-β2 gene deletion show defects in development of cardiac, lung, craniofacial, limb, spinal column, eye, inner ear and urogenital systems. All TGF-β isoforms signal via the same heteromeric receptor complex, consisting of a ligand binding TGF-β receptor type II (TβR-II), and a TGF-β receptor type I (TβR-I). Signal transduction from the receptor to the nucleus is mediated via SMADs. TGF-β expression is found in cartilage, bone, teeth, muscle, heart, blood vessels, haematopoitic cells, lung, kidney, gut, liver, eye, ear, skin, and the nervous system.
Molecular Weight:	Calculated MW: 30.91 kDa Observed MW: 38 kDa
UniProt:	P27090
Pathways:	Cell-Cell Junction Organization, Production of Molecular Mediator of Immune Response, Protein targeting to Nucleus

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. 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.
Expiry Date:	12 months