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Datasheet for ABIN7320669

## TGFB2 Protein

### 1 Image

#### Overview

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

#### Product Details

Purpose:	Recombinant Mouse TGFB2 Protein (Active)
Sequence:	Ala303-Ser414
Characteristics:	Recombinant Mouse 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 SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Mouse TGFB2 at 10µg/ml(100 µl/well) can bind Human TGFBR2-FC(Cat: PKSH033426). The ED50 of Mouse TGFB2 is 22µg/mL.

#### Target Details

Target:	TGFB2
Alternative Name:	TGFB2 ( <a href="#">TGFB2 Products</a> )

## Target Details

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**Background:** Background: Transforming growth factor beta 2 (TGF- $\beta$ 2) is a member of TGF-beta superfamily that shares a characteristic cysteine knot structure. Mice with TGF- $\beta$ 2 gene deletion show defects in development of cardiac, lung, craniofacial, limb, spinal column, eye, inner ear and urogenital systems. All TGF- $\beta$  isoforms signal via the same heteromeric receptor complex, consisting of a ligand binding TGF- $\beta$  receptor type II (T $\beta$ R-II), and a TGF- $\beta$  receptor type I (T $\beta$ R-I). Signal transduction from the receptor to the nucleus is mediated via SMADs. TGF- $\beta$  expression is found in cartilage, bone, teeth, muscle, heart, blood vessels, haematopoietic cells, lung, kidney, gut, liver, eye, ear, skin, and the nervous system.

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

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**Molecular Weight:** 12.7 kDa

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**UniProt:** [P27090](#)

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**Pathways:** [Cell-Cell Junction Organization](#), [Production of Molecular Mediator of Immune Response](#), [Protein targeting to Nucleus](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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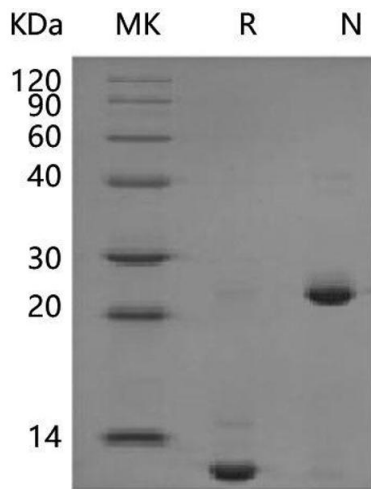
**Format:** Lyophilized

**Reconstitution:** Please refer to the printed manual for detailed information.

**Buffer:** Lyophilized from a 0.2  $\mu$ m filtered solution of 4 mM HCl.

**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.



Western Blotting

Image 1.