

Recombinant Mouse/Rat Mature TGF-beta 2 Protein

RPCB0961

Description

This high-purity Recombinant Mouse/Rat Mature TGF-beta 2 Protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU:	RPCB0961
Contents:	10 µg, 20 µg, 50 µg, 100 µg Bradford Reagent: 1 vial (2ml)
Synonyms:	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
Species:	Mouse/Rat
Gene ID:	21808
Expression Host:	HEK293 cells
Tags:	No tag
Calculated MW:	12.69 kDa
Observed MW:	10-15 kDa
Purification:	≥ 95 % as determined by SDS-PAGE.
Endotoxin:	< 1 EU/µg of the protein by LAL method.
Formulation:	Lyophilized from a 0.2 µm filtered solution of 4 mM HCl. Contact us for customized product form or formulation.
Bio- Activity:	Recombinant Mouse/Rat Mature TGF-beta 2 Protein inhibit the IL-4-dependent proliferation of HT-2 mouse T cells. The ED50 for this effect is

Manufacturers Statement - This final kit system is assembled and quality-released by Assay Genie Limited

0.062-0.248 ng/mL, corresponding to a specific activity of $4.03 \times 10^6 \sim 1.61 \times 10^7$ units/mg.

Preparation & Storage

Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

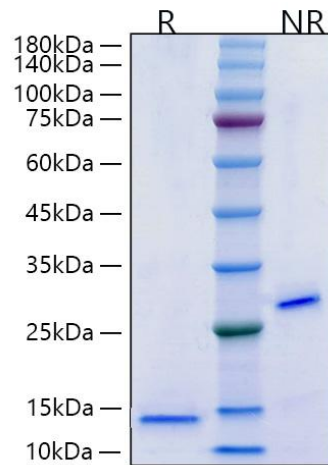
Storage: Store at -20°C . Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at $2-8^{\circ}\text{C}$ for up to 1 week.
Store Bradford Reagent at Room Temperature for 1 Year.

Reconstitution: Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol.

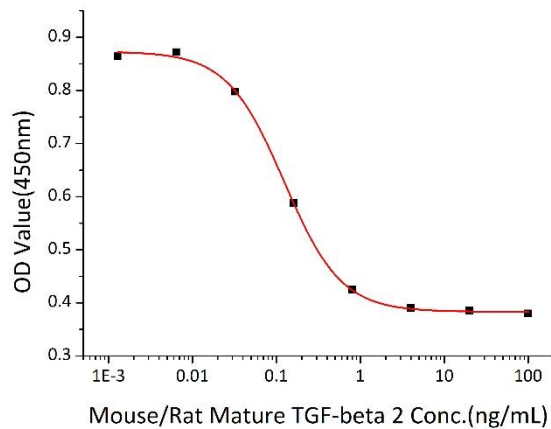
Validation Data

Image



Description

Recombinant Mouse/Rat Mature TGF-beta 2 Protein was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



Recombinant Mouse/Rat Mature TGF-beta 2 Protein inhibit the IL-4-dependent proliferation of HT-2 mouse T cells. The ED50 for this effect is 0.062-0.248 ng/mL, corresponding to a specific activity of $4.03 \times 10^6 \sim 1.61 \times 10^7$ units/mg.