



Recombinant Protein Technical Manual

Recombinant Human TGFB2 Protein (Active)

RPES1225

Product Data:

Product SKU: RPES1225

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P61812

Protein Information:

Molecular Mass: 12.7 kDa

AP Molecular Mass: 12 kDa

Tag:

Bio-activity: Measured by its ability to inhibit the IL-4-dependent proliferation of TF mouse T cells. The ED50 for this effect is 0.3.5 ng/ml.

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 4 mM HCl.

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

Application:

Synonyms: Transforming growth factor beta-2;TGFB2;Polyergin;G-TSF;Glioblastoma-derived T-cell suppressor factor;Cetermin;BSC cell growth inhibitor;TGF-beta-2

Immunogen Information:

Sequence: Ala303-Ser414

Background:

Transforming growth factor beta-2 (TGF- β 2) 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).