



Recombinant Protein Technical Manual

Recombinant Mouse TGFB2 Protein

RPES3426

Product Data:

Product SKU: RPES3426

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: P27090

Protein Information:

Molecular Mass: 12.7 kDa

AP Molecular Mass: 12 kDa

Tag:

Bio-activity:

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: TGFB2; BSC cell growth inhibitor; Cetermin; Glioblastoma-derived T-cell suppressor factor; G-TSF; MGC116892; Polyergin; TGF-beta2; TGF-beta-2; transforming growth factor beta-2

Immunogen Information:

Sequence: Ala303-Ser414

Background:

Transforming growth factor beta 2 (TGF- β 2) is a member of TGF-beta superfamily that shares a characteristic cysteine knot structure. Mice with TGF- β 2 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 (T β R-II), and a TGF- β receptor type I (T β R-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, haematopoietic cells, lung, kidney, gut, liver, eye, ear, skin, and the nervous system.