



Recombinant Protein Technical Manual

Recombinant Human TGFBR2 Protein (Fc Tag)

RPES4049

Product Data:

Product SKU: RPES4049

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P37173

Protein Information:

Molecular Mass: 42.6 kDa

AP Molecular Mass: 59 kDa

Tag: C-Fc

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 20mM PB,150mM NaCl,pH7.2.

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

Application:

Synonyms: AAT3;FAA3;LDS1B;LDS2;LDS2B;MFS2;RIIC;TAAD2;TGFbeta-RII;TGFR-2;TGF-beta receptor type-2; TGF-beta type II receptor;TGFB2; Transforming growth factor-beta receptor type II

Immunogen Information:

Sequence: Thr 23-Asp159

Background:

TGFBR2 is a single-pass type I membrane protein and contains one protein kinase domain. TGFBR2 exists as a heterodimeric complex with another receptor protein and binds TGF-beta. Signals triggered through the TGF-beta receptor complex prompt various responses by the cell. One such response is to inhibit cell growth and division. Based on this action, the TGF-beta receptor type 2 is sometimes called a tumor suppressor. Defects in TGFBR2 have been associated with Marfan syndrome, Loeys-Deitz aortic aneurysm syndrome, Osler-Weber-Rendu syndrome and the development of various types of tumors.