

Recombinant Human TGFBR2 (C-Fc)

Catalog No: CC10

Description Recombinant Human Transforming Growth Factor-beta Receptor Type II is produced by our Mammalian

expression system and the target gene encoding Thr23-Asp159 is expressed with a Fc tag at the C-

terminus.

Source Human Cells

Alternative name TGF-beta receptor type-2; TGF-beta type II receptor; TGFBR2; Transforming growth factor-beta receptor

type II

Accession No. P37173

Predicted Molecular Weight

42.6kDa

AP Molecular Weight

59kDa, reducing conditions.

Formulation Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Reconstitution Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Quality Control Purity: Greater than 95% as determined by reducing SDS-PAGE.

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Shipping The product is shipped at ambient temperature.

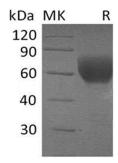
Upon receipt, store it immediately at the temperature listed below.

Storage Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Background

TGFBR2 is a single-pass type I membrane protein and contains one protein kinase domain. TGFBR2 exsits 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.



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