

Recombinant Human TGFB β 2 (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; TGFB β 2; 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 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Reconstitution	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100μg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Control	<p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.</p>
Shipping	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
Storage	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>

Background

TGFB β 2 is a single-pass type I membrane protein and contains one protein kinase domain. TGFB β 2 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 TGFB β 2 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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