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# Recombinant Human TGFBR2 protein (His tag)

Catalog Number:PDEH100439



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

<b>Synonyms</b>	AAT3;FAA3;LDS1B;LDS2;LDS2B;MFS2;RIIC;TAAD2;TGFbeta-RII;TGFR-2;TGF-beta receptor type-2;TGF-beta type II receptor;TGFBR2;Transforming growth factor-beta receptor type II
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Thr 23-Gln 166
<b>Accession</b>	P37173
<b>Calculated Molecular Weight</b>	15.7 kDa
<b>Observed molecular weight</b>	25 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	Generally, 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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## 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.

## For Research Use Only

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